BL 23

CROWN® JAPAN

SERVICE MANUAL

Stereo Cassette Tape Recorder with Compact Disc Player and 2/3 Band Radio

CD-500

CD-500 (US)
CD-500 (UK)
CD-500 (E)
CD-500L(E)
CD-500S(X)

SPECIFICATIONS

CD SYSTEM

Function : Multifunction LCD Display, Pause, Skip, Program and Repeat
System : Compact disc digital audio system
Pick-up : Semi-conductor laser
780nm (wave length) 3-Beam
Output level at CD out : 1.3 V (50K Ω)
Frequency Response : 16 Hz - 20 KHz

RADIO SYSTEM

Frequency Range

	CD-500 (US) CD-500 (UK) CD-500 (E)	CD-500L(E)	CD-500S(X)
FM(MHz)	88 - 108	88 - 108	88 - 108
MW(KHz)	530 - 1605	530 - 1605	530 - 1605
LW(KHz)		150 - 300	
SW(MHz)			6 - 18

IF ..... FM : 10.7 MHz
MW, LW, SW : 455 KHz
468 KHz ((UK) only)

Frequency Response
FM : 100 Hz - 10 KHz ±6 dB
MW : 100 Hz - 2.2 KHz ±6 dB

TAPE RECORDER SYSTEM

Track System ..... 4-track 2-channel Stereo
Tape Speed ..... 4.75 cm/sec. +3/-2 %
Wow and Flutter ..... Less than 0.35 %
(Play, JIS WRMS)
Frequency Response .... 125 - 10,000 Hz
Output Power ..... 4.2 W x 2

GENERAL

Power Source
AC :
CD-500(US) : 120 V 60 Hz
CD-500(UK) : 240 V 50 Hz
CD-500(E)/L(E) : 220 V 50 Hz
CD-500S(X) : 115/230 V 50/60 Hz
DC : 12 V ('D' size (IEC R20) battery x 8)

Dimensions ..... Approx. 709(W) x 177(H) x 270.5(D) mm
Weight ..... Approx. 4.6 Kg (without battery)
Accessory ..... AC Cord

NOTE : All specifications and cabinet design are subject to change without notice for improvement.

DISASSEMBLY

1. Removal of Rear Cabinet
   Remove the 10 screws (Nos. 1 through 10) shown in Fig. 1.

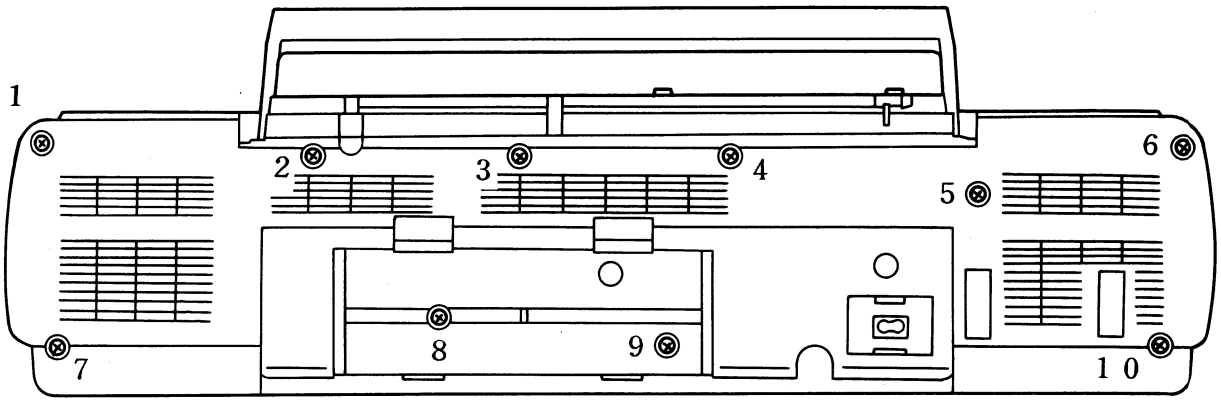


Fig. 1

2. Removal of CD Ass'y
   Remove the 2 screws (Nos. 11 and 12) shown in Fig. 2.

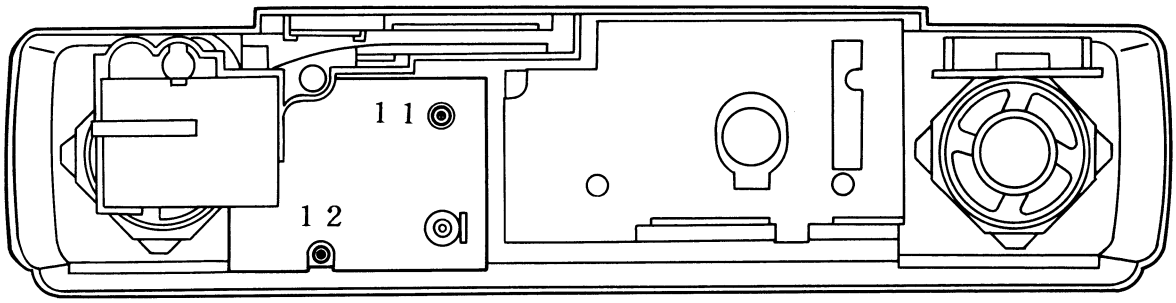


Fig. 2

3. Removal of Servo P. C. B
   Remove the 2 screws (Nos. 13 and 14) shown in Fig. 3

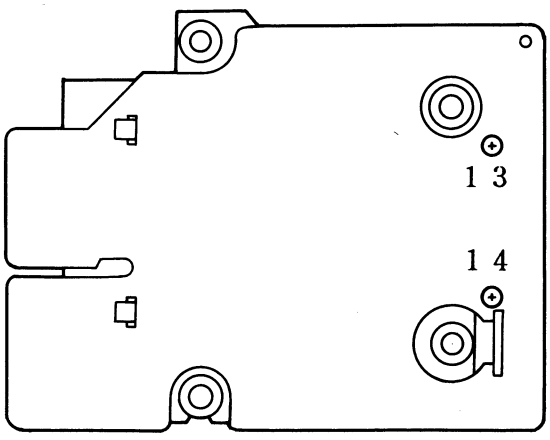


Fig. 3

ADJUSTMENT

Adjusting Conditions

Power Source Voltage : D.C. 9 V
Test disk : SONY TYPE 4 or EIAJ CD-1
Unless otherwise expressly stipulated, the switches should be set at the following conditions :

COUNT Switch	: CIFI
ASY Switch	: OPEN
TE Switch	: SHORT
FE Switch	: SHORT
SIGNAL Switch	: FG
TEST Switch	: OFF
S601	: OPEN

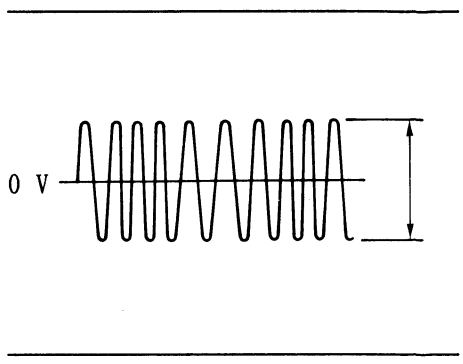
Adjustment

1. Adjustment of VCC free-run frequency
   Set ASY Switch at SHORT and COUNT Switch at PLCK.
   At TEST POINT ②, measure the frequency with the frequency counter.
   Turn VR605 so that the frequency is adjusted to 4.3218 MHz.
   (Speficications : 4.3218 MHz ± 10 KHz)

2. FOCUS SEARCH Checking
   Turn off the power source once and turn on TEST Switch. Turn on the power source so that the microcomputer is set at TEST MODE.
   Under the TEST MODE, push the REPEAT KEY of Control PCB once, and check that the lens comes up so that FOCUS ON state is present. Press the REPEAT KEY once again and check that the lens goes down so that FOCUS DOWN state is present.
   When the REPEAT KEY is pressed for the third time, the lens GOES OFF so that FOCUS OFF state is present.

3. FOCUS BIAS Adjustment
   Under the TEST MODE and when the PLAY/PAUSE KEY of control PCB is pressed after having set the DISK, FOCUS SEARCH goes on and MUTE PLAY state is present.
   At TEST POINT ④, observe the eye pattern and adjust VR602 so that the optimum jitter point is attained on the jitter meter.
   (Specification : 30 ns or less)

4. E. GAIN (TE OFFSET) Adjustment
   Following the above state, when the PROGRAM KEY is pushed once, the SLED/TRACKING SERVO is turned off, and it is turned on again when the PROGRAM KEY is pushed once again.
   Now, under the SLED/TRACKING SERVO OFF state and at TEST POINT ⑤, check the TE output waveform (with the oscillograph DC coupling).
   Turn VR601 so that the waveform attains horizontal symmetry centering on the 0 V line.



5. In the state just after 3. FOCUE BIAS Adjustment, set the FE Switch at AMP and SIGNAL Switch at FG.
   Apply 1 KHz -20 dB signal at TEST POINT ⑥, and measure with a VTVM the output of FGA and FGB, respectively, at TEST POINT ⑧. Adjust by turning VR603 so that output levels of FGA and FGB are made equal.
   (Specifications : The level difference between FGA and FGB shall be within 0.5 dB.)

6. TRACKING GAIN Adjustment
   In the state just after 3. FOCUS BIAS Adjustment, set the TE Switch at AMP and SIGNAL Switch at TG.
   Apply 1 KHz -20 dB signal at TEST POINT ⑥, and measure with a VTVM the output of FGA and FGB, respectively, at TEST POINT ⑦. Adjust by turning VR604 so that output levels of TGA and TGB are made equal.
   NOTE: Turn off the power switch once before releasing TEST MODE and stopping MUTE PLAY.
   (Specifications : The level difference between FGA and FGB shall be within 0.5 dB.)

7. D/A OUT LEVEL Checking
   Turn on power switch after setting S601 at shortcircuited state. Set the disk and open S601.
   Check at this time from the LCD display that TOC has been read-out.
   Play back the 1 KHz 0 dB signal and measure the output voltage at TEST POINT ①.
   Check at this time that the output level is -10 dB.
   (Specifications : -10 dB ± 1 dB)

8. CD OUT LEVEL Checking
   In the status obtained from the above D/A OUT LEVEL Checking, measure the output voltage at TEST POINT ①.
   (Specifications : 1.5 V ± 1 dB)

9. Error Count Check

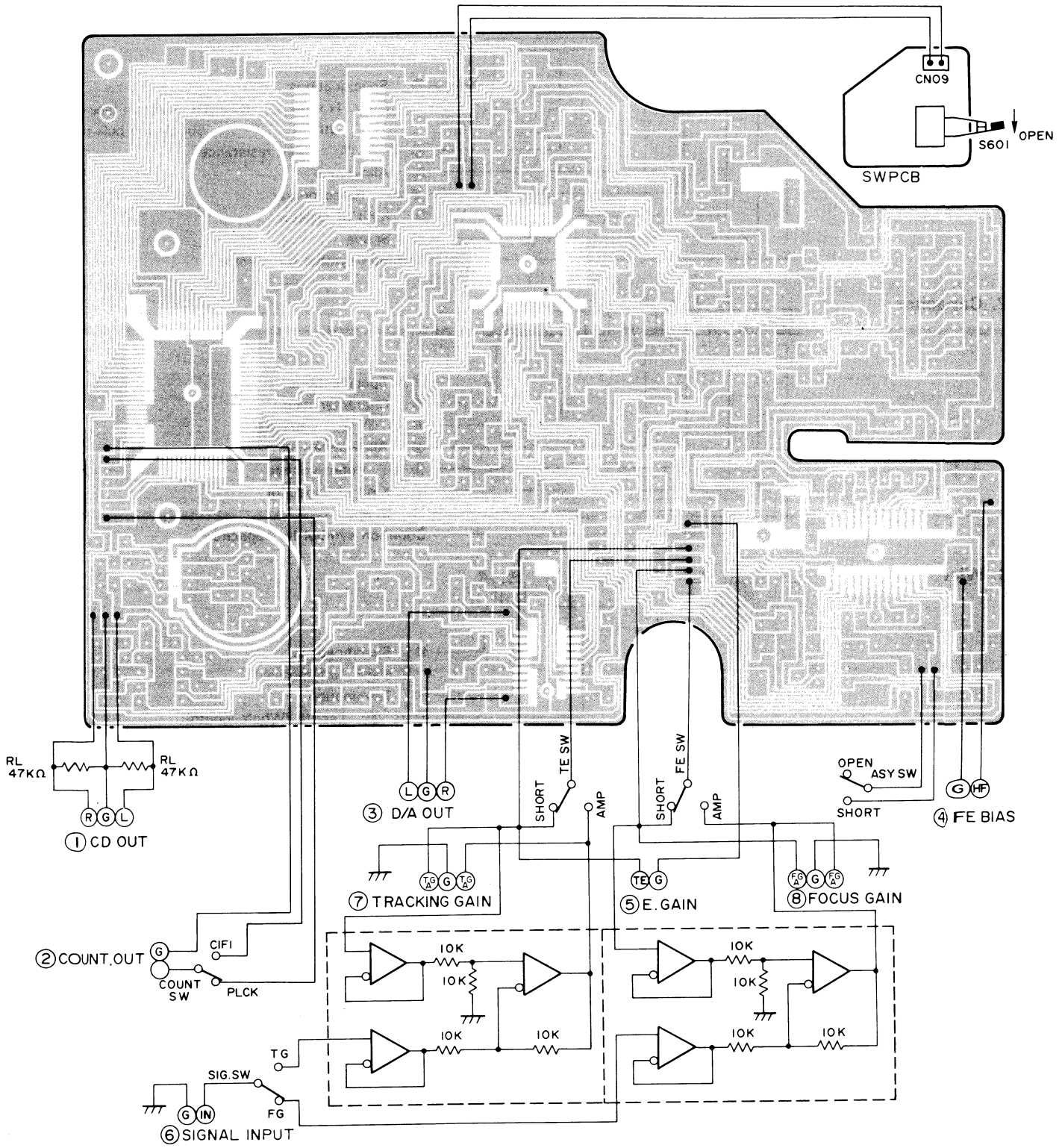
In the status obtained from the afore-mentioned D/A OUT LEVEL Checking, set COUNT Switch at CiFi.

At TEST POINT ②, measure the error count with the frequency counter. Be careful for the measurement that no flaw nor dirt exists on the disk.

(Specifications : 50 count or less)

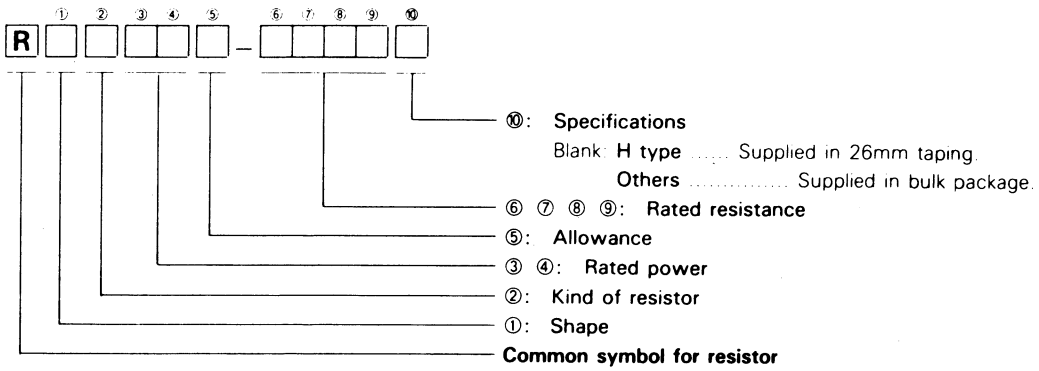
Caution : Each time after checking or adjustment, each two terminals of TE and FE should be shortcircuited by bridging them with solder.

ADJUSTMENT

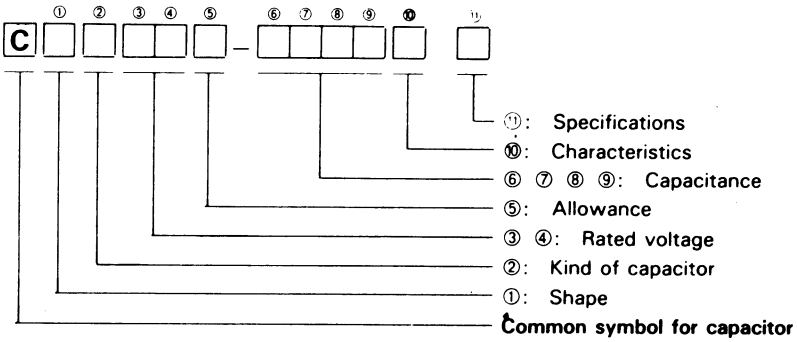

CN09
S601
OPEN
SWPCB
RL 47KΩ
RL 47KΩ
R G L
① CD OUT
L G R
③ D/A OUT
SHORT
TE SW
AMP
SHORT
FE SW
AMP
OPEN
ASY SW
SHORT
G HF
④ FE BIAS
⑦ TRACKING GAIN
TE G
⑤ E. GAIN
⑧ FOCUS GAIN
② COUNT. OUT
G
CIFI
COUNT SW
PLCK
10K
10K
10K
10K
10K
10K
10K
10K
TG
SIG. SW
G IN
FG
⑥ SIGNAL INPUT

HOW TO READ PARTS NUMBERS

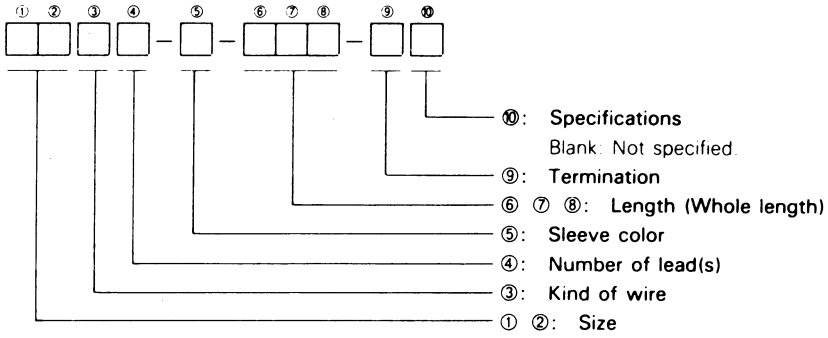
1. Resistor (Fixed resistor)



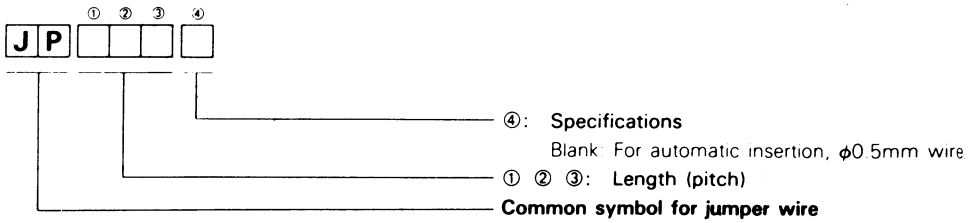
2. Capacitor



3. Wire

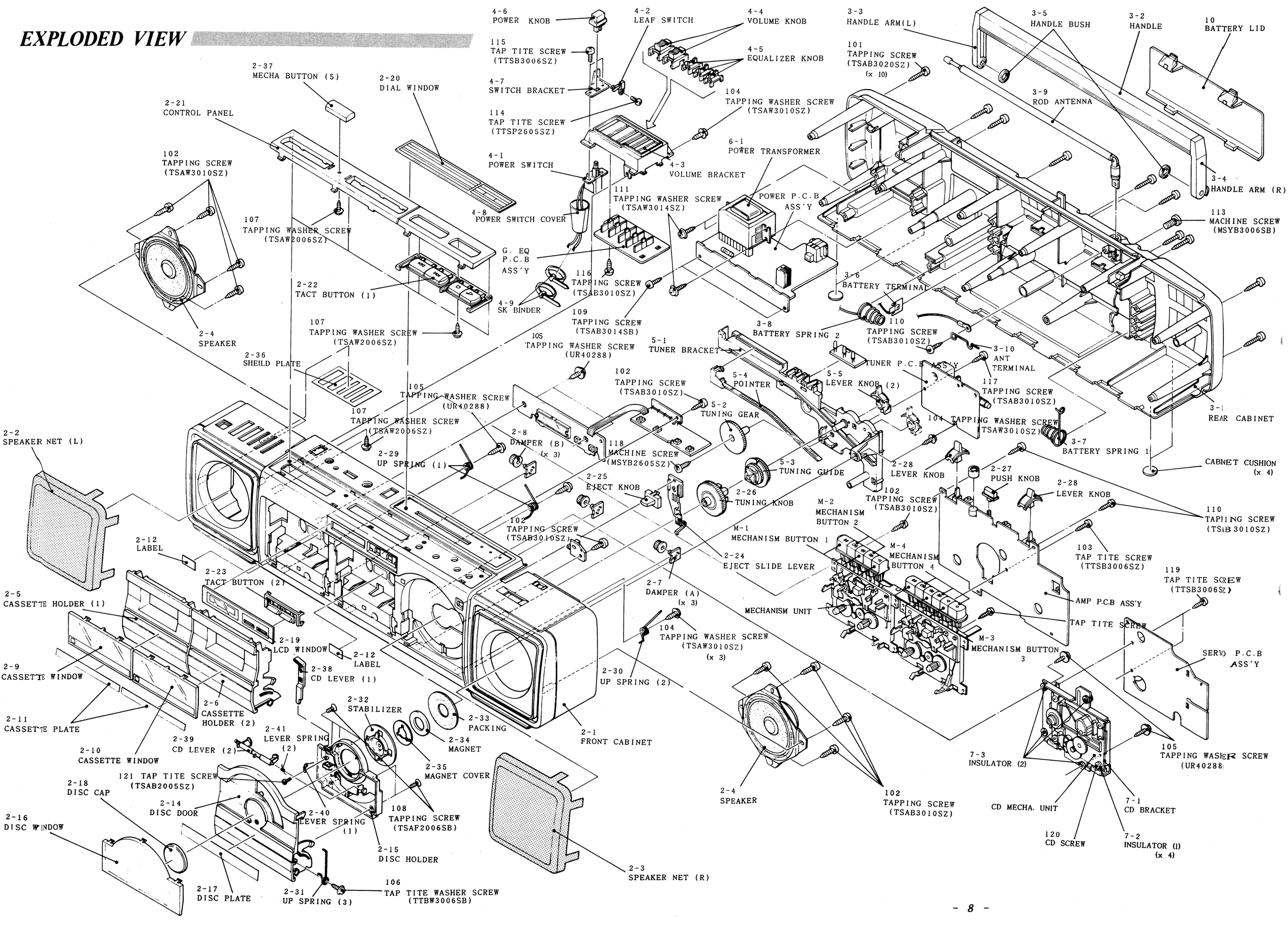


4. Jumper wire



Rch SPEAKER
RED
WHT
CONTRL P.C.B. Ass'y PB-0194-B
BLK
ORG
BLU
WHT
RED
CONTROL P.C.B. Ass'y PB-0194A
CN2
CN1
G. EQ. P.C.B. Ass'y PB-0193
Lch SPEAKER
WHT
RED
LED P.C.B.
02 09 06 D' D
RED WHT BLU RED WHT
SERVO P.C.B. Ass'y PB-0143A
CN02
CN07
CN09
CN05
CN04
CN03
CN01
CN06
MAIN P.C.B. Ass'y PB-0185
CN06
CN15
CN13
CN14
CN12
MOTER
R/P SW
P.B SW
PLAY SW
L R +B G
- + B A
POWER
GND
HI SPEED
R
SP. OUT
L
TUNER P.C.B. Ass'y PB-0114/0115
ANT
BLK
RED
WHT
D' D
G ORG
+B BLU
R WHT
L RED
CD MECHANISM
RED
CN09
PB-0143B
ANTENNA
MECHANISM
GRN BLU WHT RED
DC MOTOR
- + B A
RED WHT
RED BLK WHT
WHT RED
ORG BLU WHT RED
BATTERY SUM-1x8
RED
BLK
POWER SWITCH
ORG BLU YEL
RED BRN
CN07
CN12
BRW RED
BLK RED
S502
BATT.
S504
POWER P.C.B. Ass'y PB-0186

EXPLODED VIEW



REPLACEMENT PARTS LIST

MAIN COMPONENT ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)	CD-500(UK)	CD-500(E)	CD-500L(E)/ S(X)
	PLASTIC BAG	1	CC40008-30	←	←	←
	STYRENE FOAM 1	1	UR20154	←	←	←
	STYRENE FOAM 2	1	UR20155	←	←	←
	DISPLAY BOX	1	CR40056-386	←	←	←
	MASTER CARTON	1/2	CC40007-113	←	←	←
	INSTRUCTION LEAFLET	1	R-1388A	←	←	←
	NEW FTZ LABEL	1	--	--	UR40433-30	--
	FTZ INSTRUCTION	1	--	--	CN-148A	--
	SAFETY INSTRUCTION	1	CN-149	--	--	--
	SAFETY SEAL	1	--	R41845	--	--
	UPC CODE LABEL	1	R41865	--	--	--
	WARRANTY CARD	1	B-230	--	--	--
	SERIAL NUMBER LABEL	1	UR40164	--	R41678	--
	SINGLE LABEL	1	UR40469	←	←	←
	OPERATION SHEET	1	CN-160A	←	←	←

FINAL ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)	CD-500(UK)	CD-500L(E)/ (E)	CD-500S(X)
	TAPPING SCREW	10	TSAB3020SZ	←	←	←
	SK BINDER	4	SKB-1MD	←	←	←
10	BATTERY LID	1	UR20142-01	←	←	←
	AC CORD	1	AM-YS-340	AM-YS-342	AM-YS-341	AM-YS-345
	DATE LABEL	1	UR40163	--	--	--
	DHHS LABEL	1	UR40302-01	--	--	--
	CLASS I LABEL	1	--	UR40311-01	←	--
	BEAM LABEL	1	--	--	UR40423-01	--
	CABINET CUSHION	4	UR40450	←	←	←
	WIRE LIST	1	YS-0121	←	←	←
	WIRE LIST	1	YS-0127	YS-0126	←	YS-0127
	WIRE LIST	1	YS-0128	←	←	←
	NAME LABEL	1	CD-500(US) : CR40025-622 CD-500(UK) : CR40025-626 CD-500(E) : CR40025-624		CD-500L(E) : CR40025-625 CD-500S(X) : CR40025-623	

REPLACEMENT PARTS LIST

FRONT CABINET ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)/(UK)/(E)	CD-500L(E)	CD-500S(X)
2-1	FRONT CABINET	1	UR10066/1-1-01	UR10066/1-2-01	UR10066/1-2-02
2-2	SPEAKER NET (L)	1	UR30190-01	←	←
2-3	SPEAKER NET (R)	1	UR30191-01	←	←
2-4	SPEAKER	2	SP-0024	←	←
2-5	CASSETTE HOLDER (1)	1	UR20138-01	←	←
2-6	CASSETTE HOLDER (2)	1	UR20139-01	←	←
2-7	DAMPER (A)	3	UR40327	←	←
2-8	DAMPER (B)	3	UR40328	←	←
2-9	CASSETTE WINDOW	1	UR30184-01	←	←
2-10	CASSETTE WINDOW	1	UR30184-02	←	←
2-11	CASSETTE PLATE	2	UR40397-01	←	←
2-12	LABEL	2	R82220-033(i)	←	←
2-36	SHIELD PLATE	1	UR40449	←	←
2-14	DISC DOOR	1	UR20140-01	←	←
2-15	DISC HOLDER	1	UR30141/2-01	←	←
2-16	DISC WINDOW	1	UR30185-01	←	←
2-17	DISC PLATE	1	UR40398-01	←	←
2-18	DISC CAP	1	UR40272-01	←	←
	DISC CUSHION	2	UR40319	←	←
2-19	LCD WINDOW	1	UR40391-01	←	←
2-20	DIAL WINDOW	1	UR40392-01	UR40392-02	UR40392-03
2-21	CONTROL PANEL	1	UR20144-01	←	←
2-22	TACT BUTTON (1)	1	UR30173-01	←	←
2-23	TACT BUTTON (2)	1	UR40389-01	←	←
2-37	MECHA BUTTON (5)	1	UR40348-01	←	←
2-24	EJECT SLIDE LEVER	1	UR40273	←	←
2-25	EJECT KNOB	1	UR40271-01	←	←
2-26	TUNING KNOB	1	UR30126-01	←	←
2-27	PUSH KNOB	1	UR40352-01	←	←
2-28	LEVER KNOB (1)	2	UR40350-01	←	←
2-29	UP SPRING (1)	2	UR40429	←	←
2-30	UP SPRING (2)	1	UR40430	←	←
2-31	UP SPRING (3)	1	UR40431	←	←
2-32	STABILIZER	1	UR40275	←	←
2-33	PACKING	1	UR40276	←	←
2-34	MAGNET	1	UR40107	←	←
2-35	MAGNET COVER	1	UR40095	←	←
102	TAPPING SCREW	14	TSAB3010SZ	←	←
103	TAP TITE SCREW	1	TTSB3006SZ	←	←
104	TAPPING WASHER SCREW	4	TSAW3010SZ	←	←
105	TAPPING WASHER SCREW	4	UR40288	←	←
106	TAP TITE WASHER SCREW	1	TTBW3006SB	←	←
107	TAPPING WASHER SCREW	6	TSAW2006SZ	←	←
108	TAPPING SCREW	5	TSAF2006SB	←	←
2-38	CD LEVER (1)	1	UR40442	←	←
2-39	CD LEVER (2)	1	UR40443	←	←
2-40	LEVER SPRING (1)	1	UR40440	←	←
2-41	LEVER SPRING (2)	1	UR40441	←	←
121	TAP TITE SCREW	1	TSAB2005SZ	←	←

REPLACEMENT PARTS LIST

FRONT CABINET ASS'Y (Cont'd)

REF. NO.	NAME	Q'TY	CD-500(US)/(UK)/(E)	CD-500L(E)	CD-500S(X)
M-1	MECHANISM BUTTON 1	1	UR30170-01	←	←
M-2	MECHANISM BUTTON 2	1	UR30171-01	←	←
M-3	MECHANISM BUTTON 3	1	UR30172-01	←	←
M-4	MECHANISM BUTTON 4	1	UR30193-01	←	←
	TAP TITE SCREW	11	TTSP2004SZ	←	←

REAR CABINET ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)	CD-500(UK)	CD-500L(E)/(E)	CD-500S(X)
3-1	REAR CABINET	1	UR10067-1-01	UR10067-3-01	UR10067-3-01	UR10067-2-01
3-2	HANDLE	1	UR40395-01	←	←	←
3-3	HANDLE ARM (L)	1	UR30188-01	←	←	←
3-4	HANDLE ARM (R)	1	UR30189-01	←	←	←
3-5	HANDLE BUSH	2	UR40396	←	←	←
3-6	BATTERY TERMINAL	1	UR40014	←	←	←
3-7	BATTERY SPRING 1	1	UR40293	←	←	←
3-8	BATTERY SPRING 2	1	UR40294	←	←	←
3-9	ROD ANTENNA	1	RA-0007	←	←	←
3-10	ANT. TERMINAL	1	UR40399	←	←	←
	AC JACK COVER	1	--	--	--	CR40004-02
109	TAPPING SCREW	2	TSAB3014SB	--	--	--
110	TAPPING SCREW	3	TSAB3010SZ	←	←	←
111	TAPPING WASHER SCREW	4	TSAW3014SZ	←	←	←
112	TAPPING SCREW	2	TSA03010SB	←	←	←
113	MACHINE SCREW	1	MSYB3006SB	←	←	←

CD ASS'Y

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	MU-0006	CD MECHA UNIT	1	Sony AX-5
7-1	UR30138	CD BRACKET	1	
7-2	UR40253	INSULATOR 1	4	
7-3	UR40254	INSULATOR 2	4	
120	UR40280	CD SCREW	4	
119	TTSB3006SZ	TAP TITE SCREW	2	PCB - Bracket
	CPLD1031-10	SERVO PCB ASS'Y	1	

REPLACEMENT PARTS LIST

VOLUME BRACKET ASS'Y

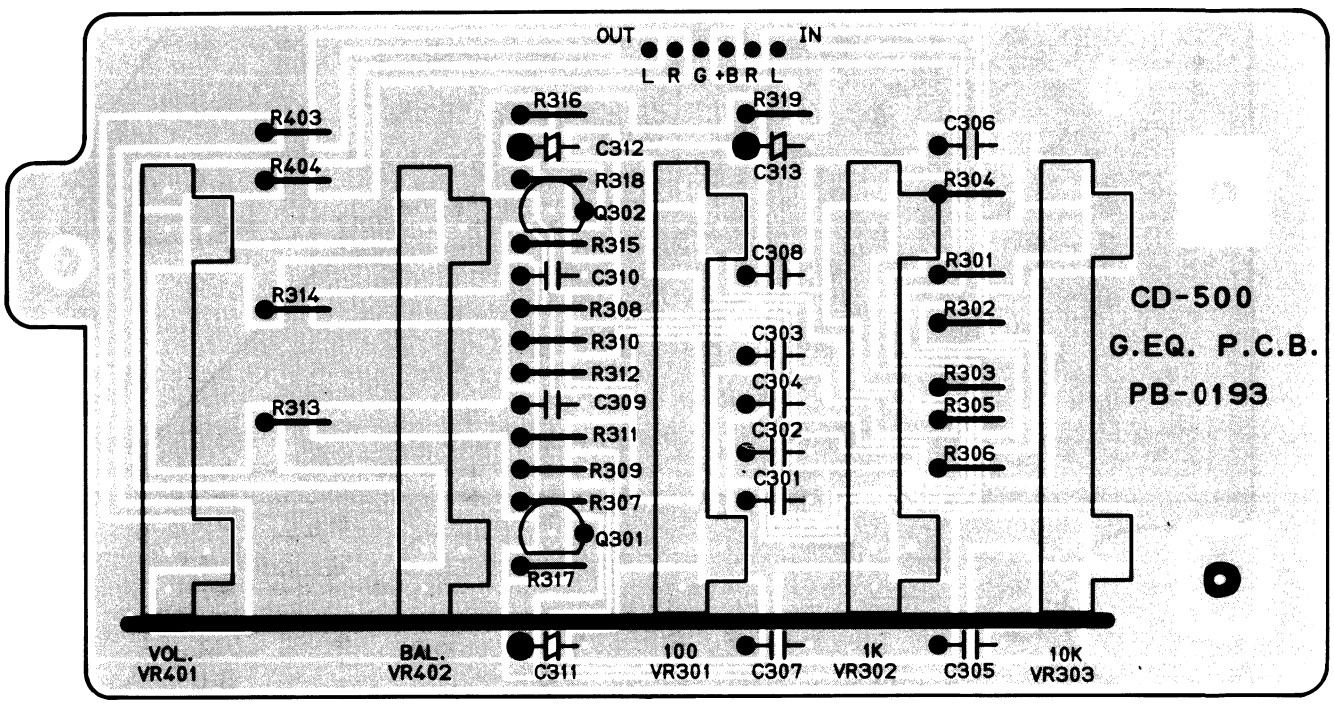
REF. NO.	NAME	Q'TY	CD-500(US)/ (E)/S(X)	CD-500(UK)/ L(E)	REMARKS
	G. EQ P.C.B ASS'Y	1	CPLR1088-12	←	
4-1	POWER SWITCH	1	SW-0106	←	
4-8	POWER SWITCH COVER	1	--	ZT-0041	
4-2	LEAF SWITCH	1	SW-0051	←	
4-3	VOLUME BRACKET	1	UR30192-01	←	
4-4	VOLUME KNOB	2	UR40387-01	←	
4-5	EQUALIZER KNOB	3	UR40388-01	←	
4-6	POWER KNOB	1	UR40385-01	←	
4-7	SWITCH BRACKET	1	UR40168	←	
114	TAP TITE SCREW	1	TTSP2605SZ	←	
115	TAP TITE SCREW	2	TTSB3006SZ	←	
116	TAPPING SCREW	1	TSAB3010SZ	←	
4-9	SK BINDER	2	--	SKB-1MD	

TUNER BRACKET ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)/ (E)	CD-500(UK)	CD-500L(E)	CD-500S(X)
	TUNER ASS'Y	1	CPLT2125	CPLT2111	CPLT3110	CPLT3134
5-1	TUNER BRACKET	1	UR20141	←	←	←
5-2	TUNING GEAR	1	UR40394	←	←	←
5-3	TUNING GUIDE	1	UR40393	←	←	←
5-4	POINTER	1	UR30187-01	←	←	←
5-5	LEVER KNOB (2)	1	UR40390-01	←	--	--
5-5	LEVER KNOB (2)	2	--	--	UR40390-01	←
117	TAPPING SCREW	1	TSAB3010SZ	←	←	←
118	MACHINE SCREW	1	MSYB2605SZ	←	←	←

P.C.B. LAYOUT

PB-0193 G. EQUALIZER P.C.B



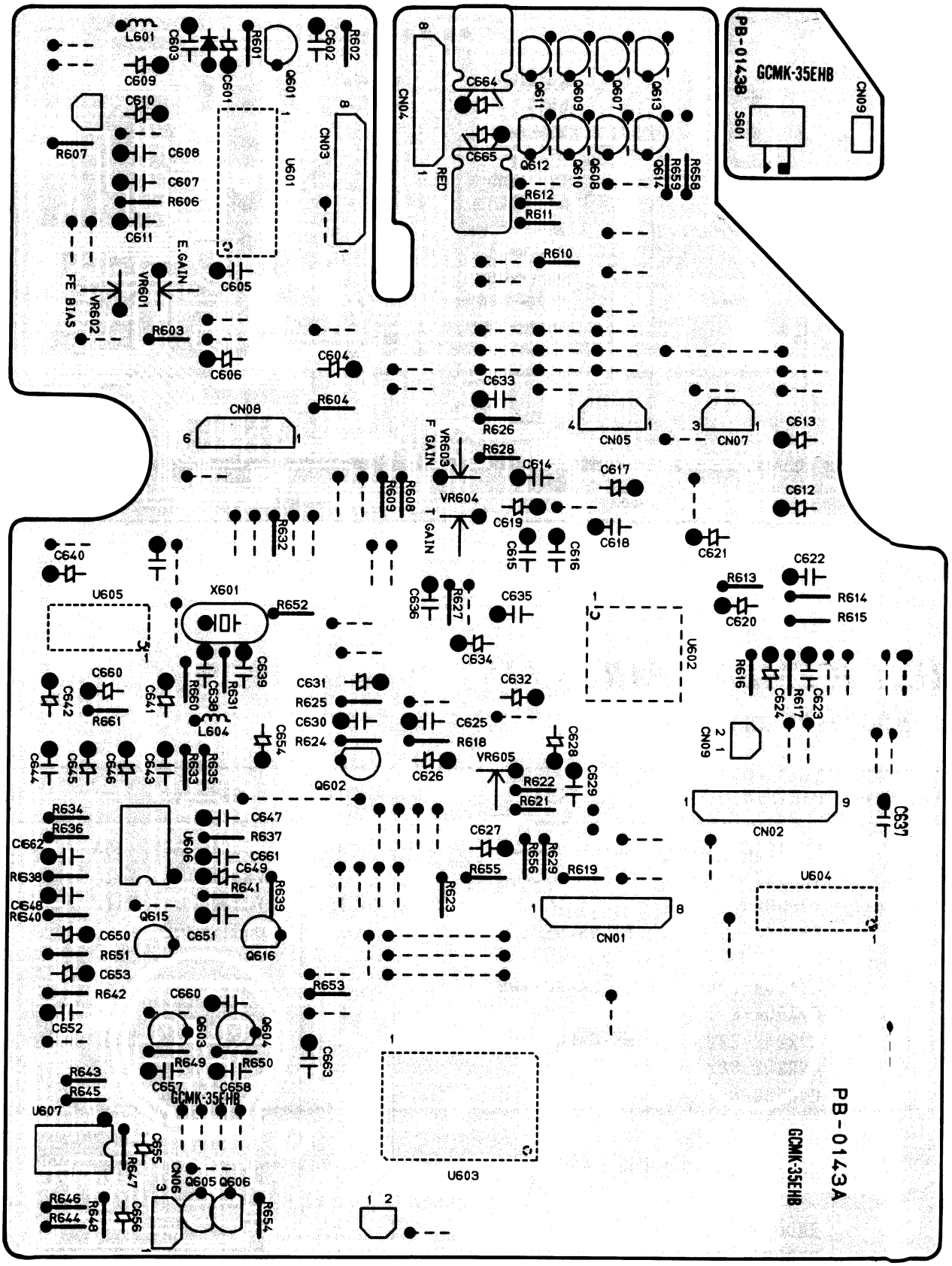
REPLACEMENT PARTS LIST

G. EQUALIZER ASS'Y

REF NO.	PARTS NO.	NAME	Q'TY	REMARKS
	VR-0004	SLIDE VOLUME	3	VR301, 302, 303
	VR-0061	〃	1	VR401 Vol.
	VR-0085	〃	1	VR402 Bal.
	2SC1740SS	TRANSISTOR	2	Q301, 302
	CVA10M-100	A. CAPACITOR	1	C313
	CVA50M-R 1	〃	2	C311, 312
	CVR25K-222	R. CAPACITOR	4	C301, 302, 305, 306
	CVR25K-682	〃	2	C303, 304
	CVR25K-822	〃	2	C307, 308
	CVR25K-273	〃	2	C309, 310
	RHD08J-222	CN. RESISTOR	5	R315, 316, 319, 403 R404
	RHD08J-472	〃	2	R313, 314
	RHD08J-103	〃	4	R301, 302, 307, 308
	RHD08J-183	〃	4	R303, 304, 309, 310
	RHD08J-473	〃	4	R305, 306, 311, 312
	RHD08J-474	〃	2	R317, 318
	PB-0193	P. C. B	1/3	

P.C.B. LAYOUT

PB-0143 SERVO P.C.B



REPLACEMENT PARTS LIST

SERVO P.C.B ASS'Y

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	CXA1081M	I. C	1	U601
	CXA1082AQ	I. C	1	U602
	CXD1130Q	I. C	1	U603
	CXK5816M-15	I. C	1	U604
	CXD1140BM	I. C	1	U605
	BA4558	I. C (DIP)	2	U606, 607
	2SA854Q or R	TRANSISTOR	1	Q601
	2SB909MQ or R	〃	4	Q607, 609, 611, 613
	2SD1225MQ or R	〃	4	Q608, 610, 612, 614
	2SC1740SS	〃	4	Q602, 603, 604, 616
	DTA144ES	〃	1	Q615
	DTC114TS	〃	2	Q605, 606
	XT-0005	CRYSTAL	1	X601
	VR-0040-20K	SEMI FIXED RESISTOR	3	VR601, 603, 604
	VR-0040-50K	〃	1	VR602
	VR-0053-2.2K	〃	1	VR605
	PC-0020-2P	PLUG CONNECTOR	1	CN09
	PC-0020-3P	〃	1	CN06
	PC-0020-4P	〃	1	CN05
	PC-0020-8P	〃	2	CN01, 03
	PC-0020-8P-X	〃	1	CN04 (X :Red)
	PC-0020-9P	〃	1	CN02
	PC-0016-3P	〃	1	CN07
	CVAR6M-100	A. CAPACITOR	7	C601, 624, 634, 640 C645, 653, 654
	CVAR6M-220	〃	2	C664, 665
	CVAR6M-470	〃	2	C612, 613
	CVA10M- 22	〃	2	C620, 628
	CVA10M- 33	〃	3	C606, 609, 646
	CVA10M- 47	〃	3	C604, 619, 632
	CVA10M-4R7-X	〃	2	C655, 656 (X =BP)
	CVA16M- 10	〃	5	C641, 642, 649, 650 C660
	CVA50M-4R7	〃	1	C617
	CVA50M-R22	〃	1	C621
	CVA50M-R47	〃	3	C610, 626, 631
	CVA50M- 1	〃	1	C627
	LA-0008- 10u	COIL	1	L601 (10uH)
	LA-0012- 68u	COIL	2	L658, 659
	CVM50K-102	M. CAPACITOR	2	C603, 629
	CVM50K-152	〃	2	C647, 648
	CVM50K-222	〃	2	C614, 635
	CVM50K-472	〃	1	C625
	CVM50K-103	〃	4	C602, 608, 611, 623

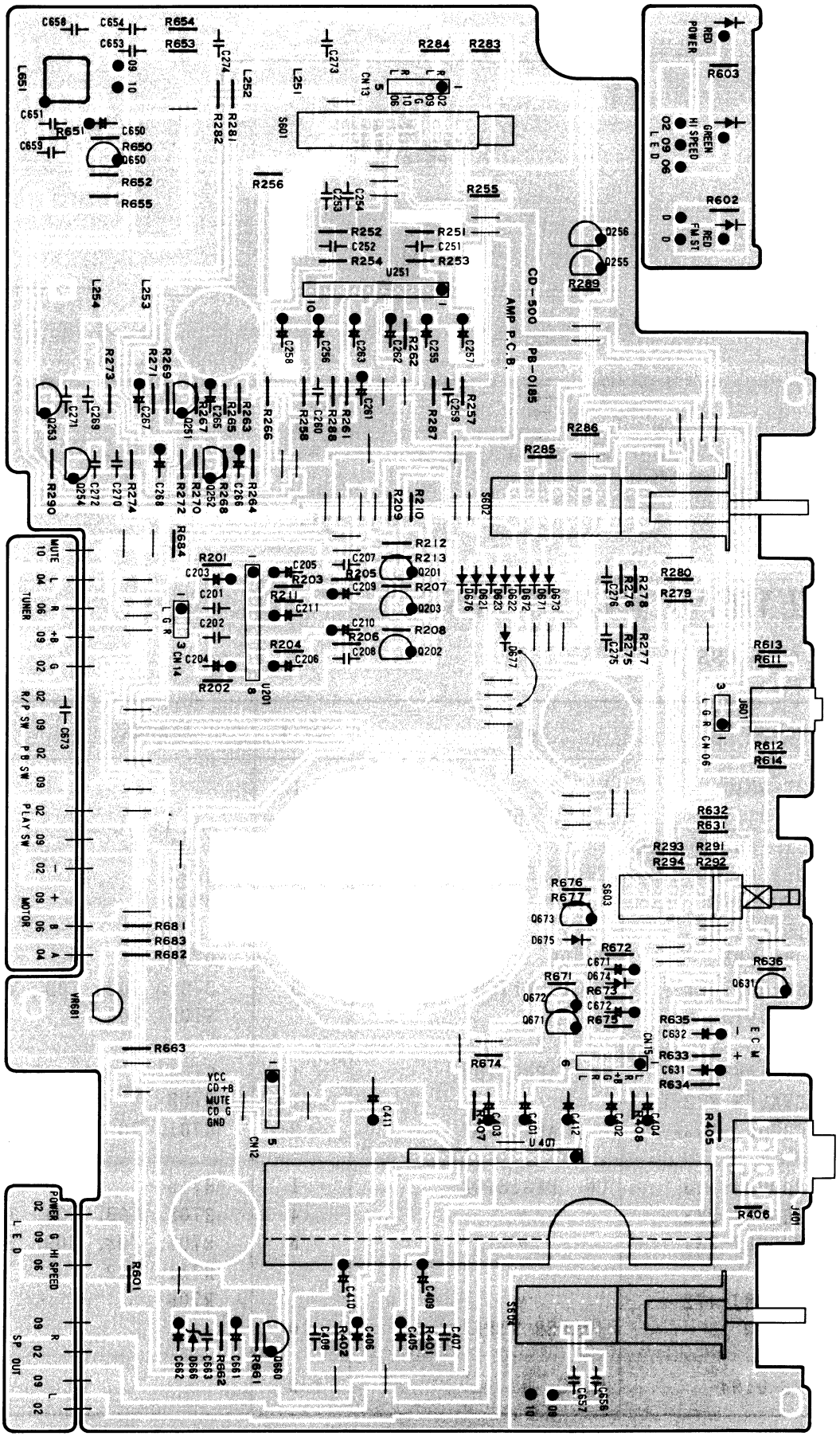
REPLACEMENT PARTS LIST

SERVO P.C.B ASS'Y (Cont'd)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	CVM50K-153	M. CAPACITOR	1	C622
	CVM50K-183	〃	1	C616
	CVM50K-223	〃	1	C633
	CVM50K-273	〃	2	C657, 658
	CVM50K-333	〃	3	C605, 607, 630
	CVM50K-473	〃	1	C636
	CVL50J-104	TF. CAPACITOR	2	C615, 618
	CVC50Z-223F	C. CAPACITOR	2	C637, 663
	CVC50K-681B	〃	2	C651, 652
	CVC50J-361SL	〃	2	C661, 662
	CVC50J-220CH	〃	2	C638, 639
	CVP50J-222	PP. CAPACITOR	2	C643, 644
	RHD08J-220	CN. RESISTOR	1	R601
	RHD08J-470	〃	3	R604, 651, 652
	RHD08J-391	〃	2	R649, 650
	RHD08J-102	〃	2	R647, 648
	RHD08J-152	〃	1	R620
	RHD08J-272	〃	3	R643, 644, 660
	RHD08J-332	〃	1	R622
	RHD08J-562	〃	1	R661
	RHD08J-822	〃	3	R615, 641, 642
	RHD08J-103	〃	11	R619, 628, 629, 635 R636, 637, 638, 645 R646, 653, 654
	RHD08J-113	〃	1	R607
	RHD08J-123	〃	1	R608
	RHD08J-153	〃	1	R613
	RHD08J-203	〃	1	R624
	RHD08J-223	〃	2	R602, 603
	RHD08J-753	〃	1	R626
	RHD08J-823	〃	1	R612
	RHD08J-104	〃	10	R606, 610, 611, 616 R618, 623, 633, 634 R639, 640
	RHD08J-124	〃	2	R614, 621
	RHD08J-474	〃	1	R627
	RHD08J-514	〃	1	R617
	RHD08J-105	〃	2	R625, 631
	RHN08G-104	M. RESISTOR	2	R655, 656
	RS-0001-100	FUSIBLE RESISTOR	1	R632 (10 Ω)
	JP050	JUMPER WIRE	93	
	JP150B	〃	4	
	PB-0143	P. C. B	1	
	SW-0065	LEAF SWITCH	1	S601

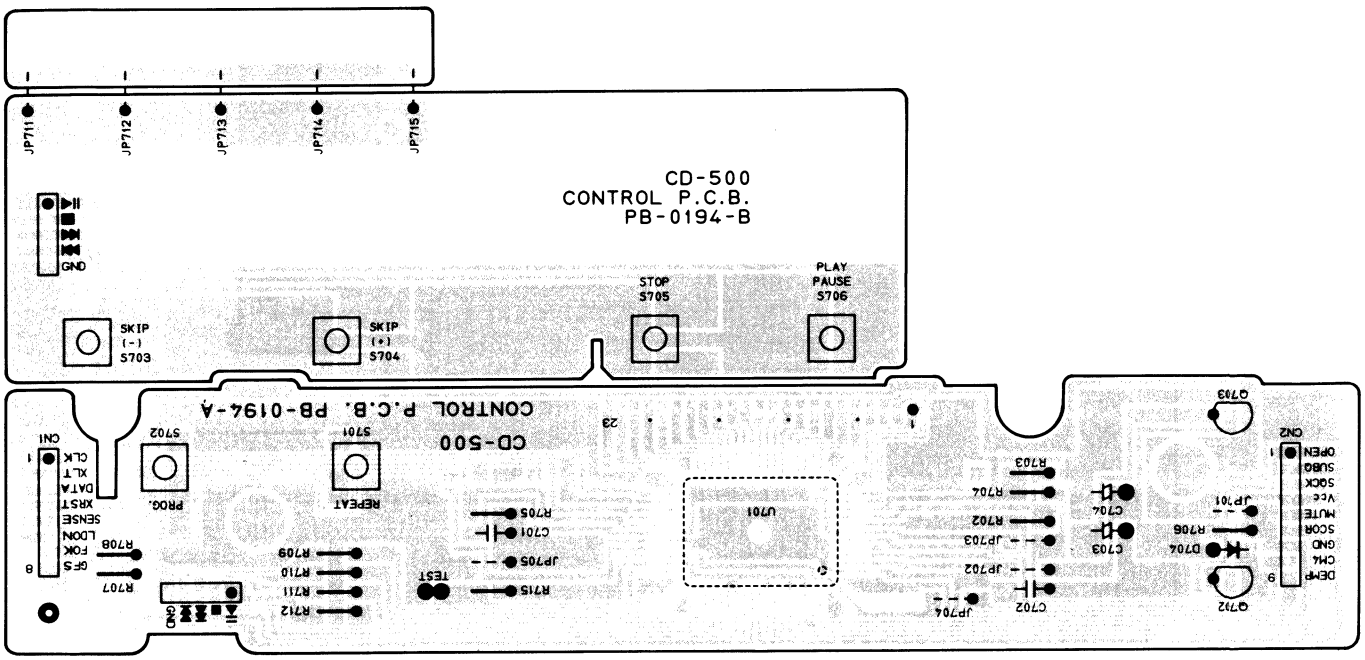
P.C.B. LAYOUT

PB-0185 MAIN P.C.B



P.C.B. LAYOUT

PB-0194 CONTROL P.C.B



REPLACEMENT PARTS LIST

CONTROL P.C.B ASS'Y

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	ZT-0036	L C D	1	
	UR40115	L C D HOLDER	1	
	CXP-5024H-033Q	I. C	1	U701
	DTA144EF	TRANSISTOR	1	Q702
	DTC144EF	〃	1	Q703
	1SS133 or MA-165	DIODE	1	D704
	SW-0017 or SW-0073	TACT SWITCH	6	S701, 702, 703, 704 S705, 706
	CVA50M-2R2-X	A. CAPACITOR	1	C704 φ4 x 7
	CVA50M-R22-X	〃	1	C703 φ4 x 7
	CHC50Z-103F	C. CAPACITOR	2	C701, 702
	RHD08J-103	CN. RESISTOR	1	R715
	RHD08J-223	〃	4	R702, 703, 704, 705
	RHD08J-331	〃	6	R707, 708, 709, 710 R711, 712
	RHD08J-472	〃	1	R706
	JP050	JUMPER WIRE	10	
	PB-0194	P. C. B	1/2	

REPLACEMENT PARTS LIST

MAIN P.C.B ASS'Y

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	AN7149	I. C	1	U401 Power
	LA3160	I. C	1	U201 PB
	BA3312	I. C	1	U251 Rec/PB
	SW-0068	SLIDE SWITCH	1	S601 Rec./PB
	SW-0096	LEVER SWITCH	1	S602 Func.
	SW-0097	〃	1	S604 Beat
	SW-0098	PUSH SWITCH	1	S603 Hi-speed
	JK-0011	STEREO MINI JACK	1	J401 (Green)
	JK-0012	〃	1	J601
	AM-LS-569	AF COIL	2	L251, 252
	AM-LS-580	〃	2	L253, 254
	LA-0005	OSC COIL	1	L651
	AM-MC-156	E C M	1	
	R41121	MIC CUSHON	1	
	HS-0005	HEAT SINK	1	
	TTSB2606SZ	TAP TITE SCREW	2	
	SLR34-VR5F	L E D	2	D601, 603 (Red)
	SLR34-MG5F	L E D	1	D602 (Green)
	PC-0020-3P	PLUG CONNECTOR	1	CN14
	PC-0020-5P	〃	2	CN12, 13
	PC-0020-6P	〃	1	CN15
	CVA25M-4700	A. CAPACITOR	1	C411
	2SD1468	TRANSISTOR	1	Q631
	2SC1740SS or 2SC2603	TRANSISTOR	13	Q201, 202, 203, 251 Q252, 253, 254, 255 Q256, 650, 671, 672 Q673
	2SD1382R	TRANSISTOR	1	Q660
	SS133 or MA165	DIODE	10	D621, 622, 623, 671 D672, 673, 674, 675 D676, 677
	HZS9.1JB1TE	ZENER DIODE	1	D666
	VR-0040-2KB	SEMI-FIXED RESISTOR	1	VR681 (2K Ω)
	PB-0185	P. C. B	1	

REPLACEMENT PARTS LIST

MAIN P.C.B ASS'Y (Cont'd)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	RHD08J-2R2	CN. RESISTOR	3	R401, 402, 652
	RHD08J-330	〃	1	R662
	RHD08J-390	〃	2	R201, 202
	RHD08J-470	〃	1	R684
	RHD08J-560	〃	2	R253, 254
	RHD08J-101	〃	4	R405, 406, 650, 673
	RHD08J-121	〃	2	R407, 408
	RHD08J-151	〃	4	R211, 261, 273, 274
	RHD08J-181	〃	1	R655
	RHD08J-331	〃	2	R603, 661
	RHD08J-391	〃	1	R663
	RHD08J-471	〃	1	R674
	RHD08J-561	〃	2	R602, 682
	RHD08J-681	〃	1	R601
	RHD08J-751	〃	1	R683
	RHD08J-102	〃	4	R271, 272, 634, 676
	RHD08J-152	〃	2	R265, 266
	RHD08J-222	〃	9	R207, 208, 269, 270 R283, 284, 295, 296 R672
	RHD08J-272	〃	3	R613, 614, 651
	RHD08J-302	〃	3	R263, 264, 681
	RHD08J-332	〃	5	R277, 278, 633, 635 R636
	RHD08J-472	〃	6	R205, 206, 275, 276 R631, 632
	RHD08J-562	〃	2	R257, 258
	RHD08J-682	〃	4	R209, 210, 285, 286
	RHD08J-103	〃	5	R267, 268, 290, 671 R677
	RHD08J-123	〃	2	R281, 282
	RHD08J-223	〃	2	R212, 289
	RHD08J-333	〃	2	R611, 612
	RHD08J-473	〃	2	R251, 252
	RHD08J-563	〃	4	R255, 256, 279, 280
	RHD08J-683	〃	2	R291, 292
	RHD08J-183	〃	2	R653, 654
	RHD08J-104	〃	6	R203, 204, 213, 287 R288, 675
	RHD08J-105	〃	1	R262
	JP050	JUMPER WIRE	86	
	CVC50J-620SL	C. CAPACITOR	3	C273, 274, 656
	CVC50J-101SL	〃	2	C653, 654
	CVC50J-221SL	〃	1	C657
	CVC50J-331SL	〃	2	C413, 414
	CVC50K-821B	〃	2	C201, 202
	CVC50K-152B	〃	2	C251, 252
	CVC50Z-223F	〃	2	C663, 673

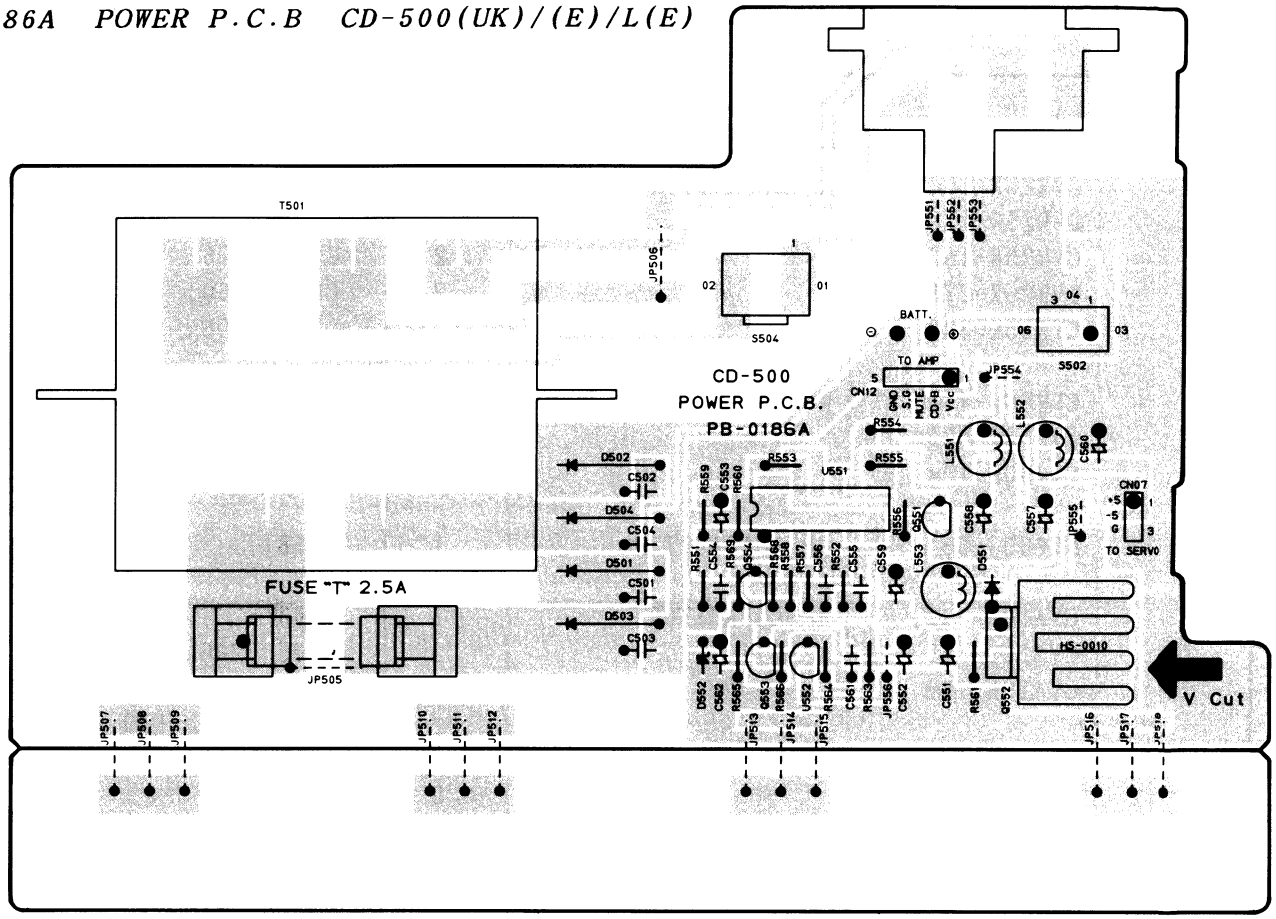
REPLACEMENT PARTS LIST

MAIN P.C.B ASS'Y (Cont'd)

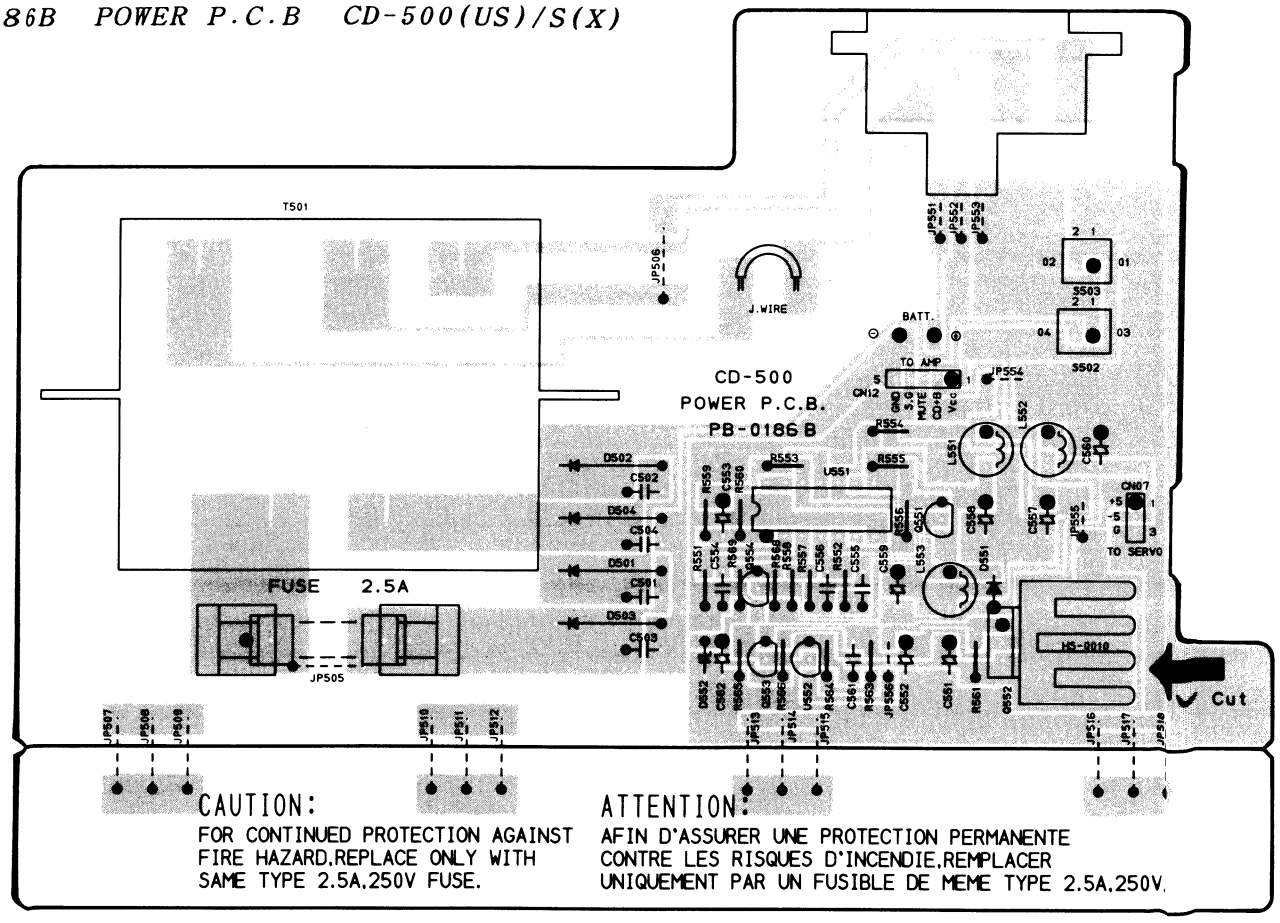
REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	CVR25K-153	R. CAPACITOR	2	C269, 270
	CVR25K-123	〃	2	C271, 272
	CVR25K-183	〃	2	C275, 276
	CVR25K-273	〃	2	C259, 260
	CVR25K-333	〃	2	C207, 208
	CVM50K-472	M. CAPACITOR	1	C659
	CVM50K-822	〃	1	C651
	CVM50K-104	〃	2	C407, 408
	CVP50J-561	PP. CAPACITOR	1	C658
	CVA10M- 22	A. CAPACITOR	1	C263
	CVA10M- 47	〃	3	C205, 206, 632
	CVA10M-100	〃	7	C257, 258, 403, 404 C405, 406, 650
	CVA10M-220	〃	2	C211, 261
	CVA10M-330	〃	2	C661, 662
	CVA10M-1000	〃	2	C409, 410
	CVA16M- 10	〃	7	C203, 204, 255, 256 C262, 671, 672
	CVA25M- 47	〃	1	C674
	CVA25M-100	〃	1	C412
	CVA50M-R22	〃	1	C631
	CVA50M- 1	〃	8	C209, 210, 265, 266 C267, 268, 401, 402

P.C.B. LAYOUT

PB-0186A POWER P.C.B CD-500(UK)/(E)/L(E)



PB-0186B POWER P.C.B CD-500(US)/S(X)



CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,REPLACE ONLY WITH SAME TYPE 2.5A,250V FUSE.

ATTENTION:
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE,REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE 2.5A,250V.

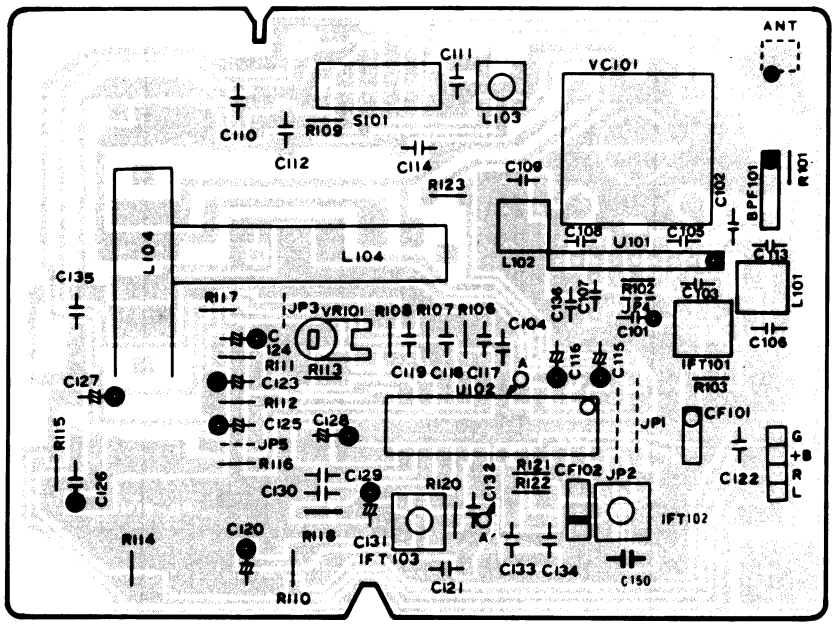
REPLACEMENT PARTS LIST

POWER P.C.B ASS'Y

REF. NO.	NAME	Q'TY	CD-500(US)	CD-500(UK)	CD-500L(E)/ (E)	CD-500S(X)
	I. C	1	BA9700AF	←	←	←
	I. C	1	M5237L	←	←	←
	TRANSISTOR	1	2SB891Q or R	←	←	←
	〃	1	2SB1085E	←	←	←
	〃	1	DTA144ES	←	←	←
	〃	1	2SC1740SS	←	←	←
	DIODE	4	RL152	←	←	←
	DIODE	1	1SR124-100	←	←	←
	ZENER DIODE	1	MTZJ3.9A or B	←	←	←
	COIL	2	LA-0011	←	←	←
	COIL	1	LA-0010	←	←	←
	A. CAPACITOR	1	CVAR6M-100	←	←	←
	〃	1	CVA10M-100	←	←	←
	〃	1	CVA10M-220	←	←	←
	〃	1	CVA16M- 10	←	←	←
	〃	1	CVA16M-100	←	←	←
	〃	1	CVA16M-220	←	←	←
	〃	1	CVA50M-R33	←	←	←
	〃	1	CVA50M-R47	←	←	←
	C. CAPACITOR	4	CVC50Z-223F	←	←	←
	〃	1	CVC50K-681B	←	←	←
	〃	1	CVC50K-102B	←	←	←
	R. CAPACITOR	1	CVR25K-223	←	←	←
	PP. CAPACITOR	1	CVP50J-681	←	←	←
	CN. RESISTOR	1	RHD08J-101	←	←	←
	〃	1	RHD08J-181	←	←	←
	〃	1	RHD08J-221	←	←	←
	〃	1	RHD08J-102	←	←	←
	〃	1	RHD08J-392	←	←	←
	〃	2	RHD08J-472	←	←	←
	〃	1	RHD08J-682	←	←	←
	〃	3	RHD08J-103	←	←	←
	〃	1	RHD08J-153	←	←	←
	〃	1	RHD08J-223	←	←	←
	〃	1	RHD08J-333	←	←	←
	〃	2	RHD08J-473	←	←	←
	〃	1	RHD08J-104	←	←	←
	AC INPUT JACK	1	AM-J-211	AM-J-210	AM-J-210	AM-J-209
6-1	POWER TRANSFORMER	1	PT-0054	PT-0057	PT-0055	PT-0056
	FUSE LINK	1	FS-0017	FS-0011	←	--
	FUSE HOLDER	2	AM-D-183	ZT-0003	←	--
	HEAT SINK	1	HS-0010	←	←	←
	MACHINE SCREW	1	MSYB3010SZ	←	←	←
	JUMPER WIRE	6	JP050	←	←	←
	JUMPER WIRE	12	JP100	←	←	←
	PLUG CONNECTOR	1	PC-0030-2P	PC-0029	←	PC-0030-2P
	PLUG CONNECTOR	1	PC-0030-2P	PC-0030-3P	←	PC-0030-2P
	P. C. B	1	PB-0186B	PB-0186A	←	PB-0186B

P.C.B. LAYOUT

PB-0114 FM/AM 2-BAND TUNER P.C.B



REPLACEMENT PARTS LIST

FM/AM 2-BAND TUNER ASS'Y CD-500(US)/(UK)/(E)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	LA1185	I. C	1	U101 (F. End)
	M51535P	I. C	1	U102 (IF/MPX)
	AM-X- 89	FM CERAMIC FILTER	1	CF101
	AM-X-135	AM "	1	CF102
	SFU468B	AM "	1	CF102 (UK only)
	AM-W-101	FM B. P. F	1	BPF101
	AM-VC-343	P. V. C.	1	VC101
	LR-0014	BAR ANTENNA COIL	1	L104
	AM-LI-691	FM IFT	1	IFT101
	LI-0007	AM IFT	1	IFT102
	LI-0002	FM IFT	1	IFT103
	LR-0002	AM OSC COIL	1	L103
	R41489-03	FM ANTENNA COIL	2	L101, 102
	PB-0114	TUNER PCB	1/2	

REPLACEMENT PARTS LIST

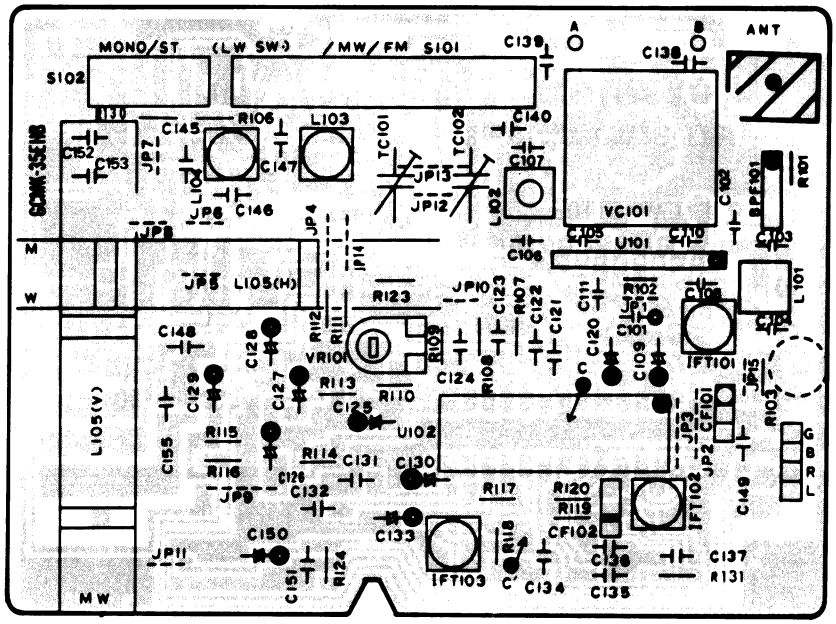
FM/AM 2-BAND TUNER ASS'Y (Cont'd)

CD-500(US)/(UK)/(E)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	SW-0023	SLIDE SWITCH	1	S101
	R40193-02	SEMI-FIXED RESISTOR	1	VR101 (5KΩ)
	CVP50J-102	P.P CAPACITOR	1	C119
	CVC50C-2R0SL-X	CERAMIC CAPACITOR	1	C114
	CVC50C-5R0SL-X	〃	1	C105
	CVC50C-7R0SL-X	〃	1	C111
	CVC50J-270SL-X	〃	1	C106
	CVC50K-561B -X	〃	2	C129, 150
	CVC50J-270RH-X	〃	1	C109
	CVC50C-100CH-X	〃	1	C108
	CVC50Z-223F-X	〃	8	C104, 110, 112, 121, C122, 130, 132, 135
	CVR25K-223-X	R. CAPACIOTR	2	C133, 134
	CVR25K-333-X	〃	2	C117, 118
	CVR50K-103 -X (X= 5m/m	〃 Straight Type)	4	C102, 103, 113, 136
	CVA10M-100	A. CAPACITOR	2	C115, 120,
	CVA16M- 10	〃	3	C125, 131, 101
	CVA25M-3R3	〃	1	C124
	CVA25M-4R7	〃	2	C116, 128
	CVA50M- 1	〃	1	C123
	CVA50M-R47	〃	2	C126, 127
	26M-2- 45FA	V. WIRE	1	
	ZT-0042	TAB TERMINAL	1	
	RHD08J-5R6	CN. RESISTOR	1	R109
	RHD08J-220	〃	2	R101, 110
	RHD08J-470	〃	2	R103, 123
	RHD08J-101	〃	1	R102
	RHD08J-331	〃	1	R122
	RHD08J-102	〃	1	R111
	RHD08J-222	〃	3	R114, 115, 121
	RHD08J-332	〃	2	R106, 107
	RHD08J-392	〃	3	R116, 117, 120
	RHD08J-822	〃	1	R118
	RHD08J-113	〃	1	R108
	RHD08J-224	〃	1	R112
	RHD08J-104	〃	1	R124
	JP-050	JUMPER WIRE	3	J 3, J 4, J 5
	JP-100	〃	2	J 1, J 2

P.C.B. LAYOUT

PB-0115 FM/MW/LW 3-BAND TUNER P.C.B



REPLACEMENT PARTS LIST

FM/MW/LW 3-BAND TUNER ASS'Y

CD-500L(E)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	LA1185	I. C	1	U101 (F. End)
	M51535P	I. C	1	U102 (IF/MPX)
	AM-X- 89	FM CERAMIC FILTER	1	CF101
	AM-X-135	AM "	1	CF102
	AM-W-101	FM B. P. F	1	BPF101
	AM-VC-344	P. V. C.	1	VC101
	LR-0016	BAR ANTENNA COIL	1	L105
	AM-LI-691	FM IFT	1	IFT101
	LI-0007	AM IFT	1	IFT102
	LI-0002	FM IFT	1	IFT103
	LR-0018	MW OSC COIL	1	L103
	R41489-03	FM OSC COIL	2	L101, 102
	LR-0004	LW OSC COIL	1	L104
	SW-0024	SLIDE SWITCH	1	S101 (Band)
	SW-0025	SLIDE SWITCH	1	S102 (Mode)
	R40193-02	SEMI-FIXED RESISTOR	1	VR101 (5KΩ)
	PB-0115	TUNER PCB	1/2	
	VC-0004	TRIMMER CAPACITOR	2	TC101, 102
	26M-0- 45FA	V. WIRE	1	C ～ C'
	ZT-0005	WIRE	2	VC ～ A, VC ～ B
	ZT-0042	TAB TERMINAL	1	

REPLACEMENT PARTS LIST

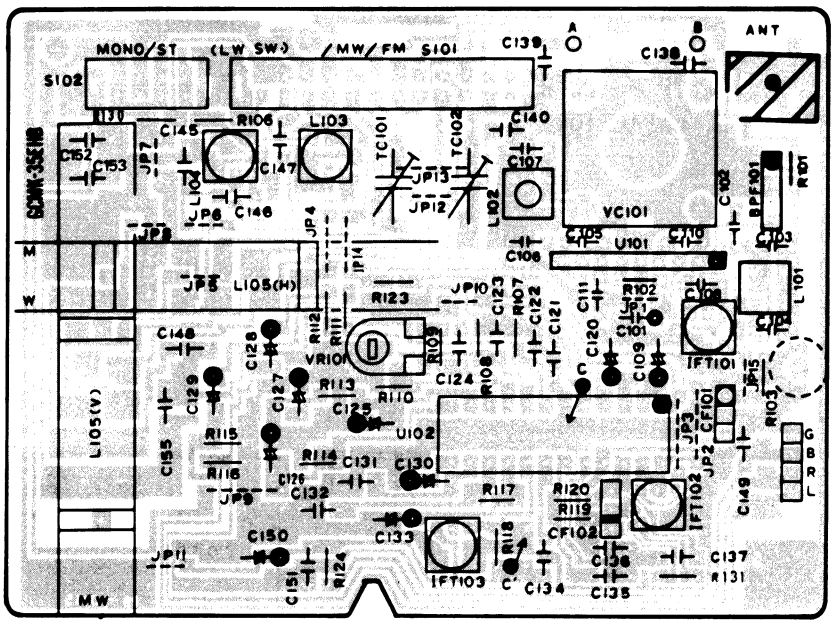
FM/MW/LW 3-BAND TUNER ASS'Y (Cont'd)

CD-500L(E)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
		〔 TP P. C. B ASS'Y 〕		
	CVC50J-100SL-X	C. CAPACITOR	1	C110
	CVC50J-120SL-X	〃	1	C139
	CVC50J-220SL-X	〃	1	C138
	CVC50J-330SL-X	〃	1	C104
	CVC50J-620SL-X	〃	1	C140
	CVC50J-101SL-X	〃	1	C145
	CVC50J-221SL-X	〃	2	C137, 155
	CVC50K-561B -X	〃	1	C131
	CVC50J-270RH-X	〃	1	C107
	CVC50C-100CH-X	〃	1	C105
	CVC50Z-223F-X	〃	9	C121, 132, 134, 148 C149, 151, 152, 153 C200
	CVR25K-223-X	R. CAPACITOR	2	C135, 136
	CVR25K-333-X	〃	2	C122, 123
	CVR50K-103 X (X= 5m/m	〃 Straight Type)	4	C102, 103, 106, 108
	CVA10M-100	A. CAPACITOR	2	C109, 150
	CVA16M- 10	〃	4	C101, 126, 130 C133
	CVA25M-3R3	〃	1	C127
	CVA25M-4R7	〃	1	C120
	CVA50M- 1	〃	1	C125
	CVA50M-R47	〃	2	C128, 129
	CVP50J-102	P.P CAPACITOR	1	C124
	CVP50J-361	〃	1	C147
	CVP50J-151	〃	1	C146
	RHD08J-220	CN. RESISTOR	2	R101, 130
	RHD08J-470	〃	3	R106, 123, 124
	RHD08J-101	〃	1	R102
	RHD08J-331	〃	1	R119
	RHD08J-561	〃	1	R131
	RHD08J-102	〃	1	R113
	RHD08J-222	〃	3	R115, 116, 120
	RHD08J-332	〃	2	R107, 108
	RHD08J-392	〃	3	R111, 112, 118
	RHD08J-822	〃	1	R117
	RHD08J-113	〃	1	R109
	RHD08J-224	〃	1	R114
	RHD08J-104	〃	1	R132
	JP-050	JUMPER WIRE	8	JP 1, 6, 7, 8, 10 JP11, 12, 15
	JP-075	〃	2	JP 4, 14
	JP-100	〃	4	JP 2, 3, 9, 13

P.C.B. LAYOUT

PB-0115 FM/MW/SW 3-BAND TUNER P.C.B



REPLACEMENT PARTS LIST

FM/MW/SW 3-BAND TUNER ASS'Y

CD-500S(X)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
	LA1185	I. C	1	U101 (F. End)
	M51535P	I. C	1	U102 (IF/MPX)
	AM-X- 89	FM CERAMIC FILTER	1	CF101
	AM-X-135	AM 〃	1	CF102
	AM-W-101	FM B. P. F	1	BPF101
	AM-VC-344	P. V. C.	1	VC101
	LR-0043	BAR ANTENNA COIL	1	L105
	AM-LI-691	FM IFT	1	IFT101
	LI-0007	AM IFT	1	IFT102
	LI-0002	FM IFT	1	IFT103
	LR-0018	MW OSC COIL	1	L103
	R41489-03	FM OSC COIL	2	L101, 102
	LR-0044	SW OSC COIL	1	L104
	SW-0024	SLIDE SWITCH	1	S101 (Band)
	SW-0025	SLIDE SWITCH	1	S102 (Mode)
	R40193-02	SEMI-FIXED RESISTOR	1	VR101 (5KΩ)
	PB-0115	TUNER PCB	1/2	
	VC-0003	TRIMMER CAPACITOR	2	TC101, 102
	26M-0- 45FA	V. WIRE	1	C ～ C'
	ZT-0005	WIRE	2	VC ～ A, VC ～ B
	ZT-0042	TAB TERMINAL	1	

REPLACEMENT PARTS LIST

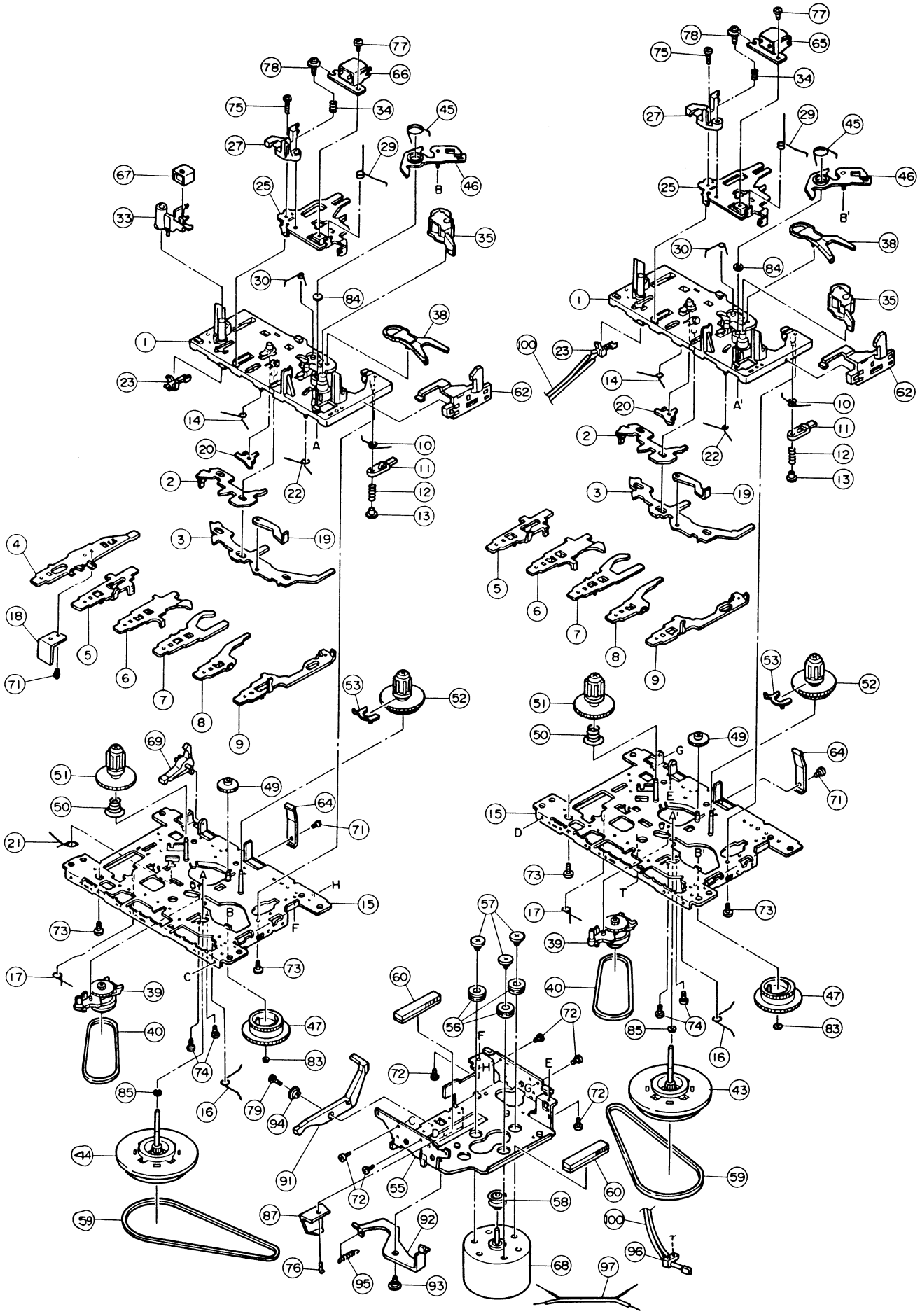
FM/MW/SW 3-BAND TUNER ASS'Y (Cont'd)

CD-500S(X)

REF. NO.	PARTS NO.	NAME	Q'TY	REMARKS
		〔 TP P. C. B ASS'Y 〕		
	CVC50J-100SL-X	C. CAPACITOR	1	C110
	CVC50J-120SL-X	〃	1	C139
	CVC50J-150SL-X	〃	2	C140, 145
	CVC50J-220SL-X	〃	1	C138
	CVC50J-330SL-X	〃	1	C104
	CVC50J-221SL-X	〃	2	C137, 155
	CVC50K-561B -X	〃	1	C131
	CVC50J-270RH-X	〃	1	C107
	CVC50C-100CH-X	〃	1	C105
	CVC50Z-223F-X	〃	9	C121, 132, 134, 148, C149, 151 C152, 153 C200
	CVR25K-223-X	R. CAPACITOR	2	C135, 136
	CVR25K-333-X	〃	2	C122, 123
	CVR50K-103-X (X= 5m/m	〃 Straight Type)	4	C102, 103, 106, 108
	CVA10M-100	A. CAPACITOR	2	C109, 150
	CVA16M- 10	〃	4	C101, 126, 130, 133
	CVA25M-3R3	〃	1	C127
	CVA25M-4R7	〃	1	C120
	CVA50M- 1	〃	1	C125
	CVA50M-R47	〃	2	C128, 129
	CVP50J-102	P.P CAPACITOR	1	C124
	CVP50J-361	〃	1	C147
	CVP50J-562	〃	1	C146
	RHD08J-220	CN. RESISTOR	2	R101, 130
	RHD08J-470	〃	3	R106, 123, 124
	RHD08J-101	〃	1	R102
	RHD08J-331	〃	1	R119
	RHD08J-561	〃	1	R131
	RHD08J-102	〃	1	R113
	RHD08J-222	〃	3	R115, 116, 120
	RHD08J-332	〃	2	R107, 108
	RHD08J-392	〃	3	R111, 112, 118
	RHD08J-822	〃	1	R117
	RHD08J-113	〃	1	R109
	RHD08J-224	〃	1	R114
	RHD08J-104	〃	1	R132
	JP-050	JUMPER WIRE	8	JP 1, 6, 7, 8, 10 JP11, 12, 15
	JP-075	〃	2	JP 4, 14
	JP-100	〃	4	JP 2, 3, 9, 13

EXPLODED VIEW

MECHANISM UNIT TN-21ZVW-155



REPLACEMENT PARTS LIST

MECHANISM UNIT TN-21ZVW-155

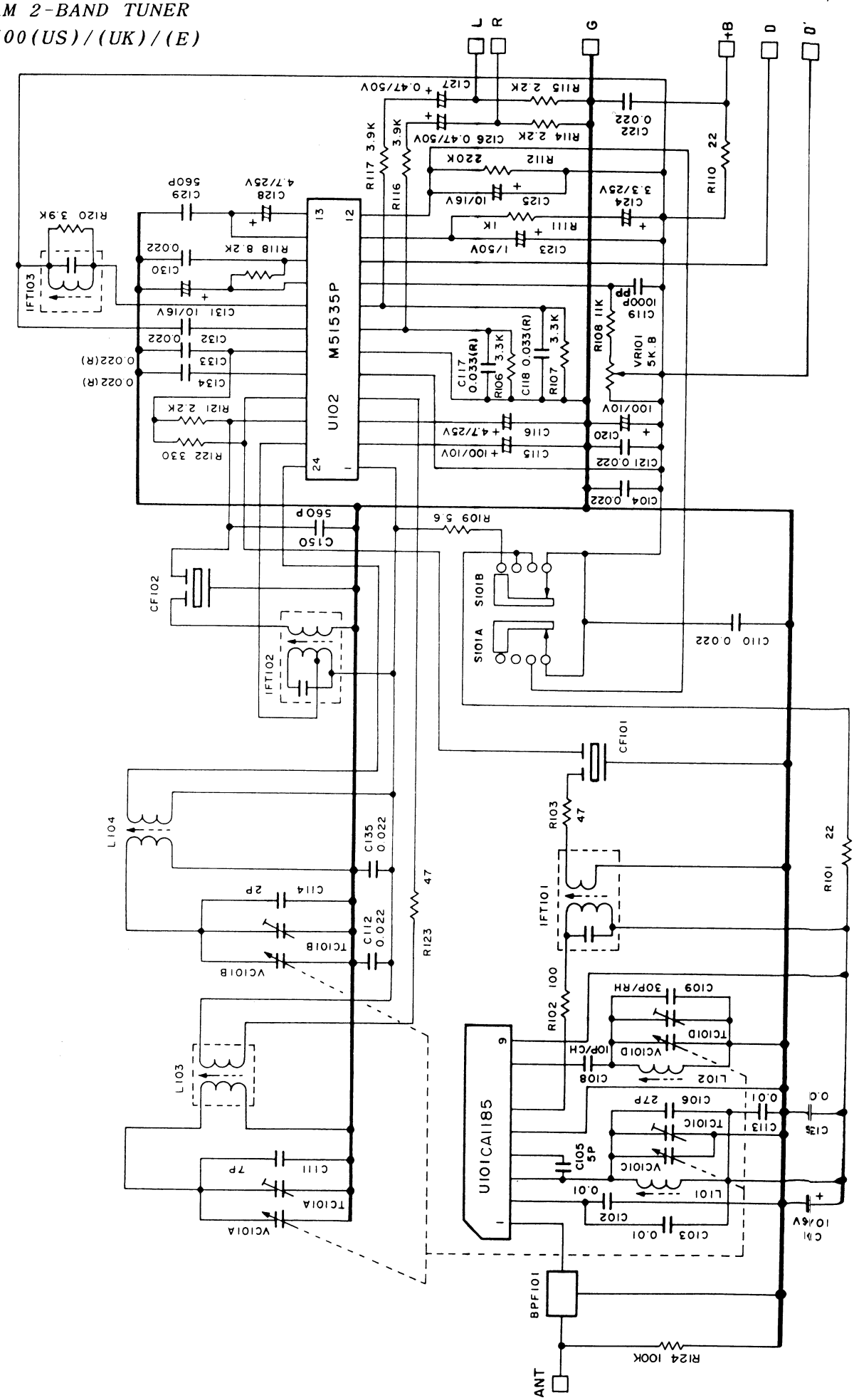
NO.	PARTS NO.	NAME	Q'TY
1	1921 14 301	BASE ASS'Y	2
2	1921 14 09	SWITCH ACTUATOR	2
3	1921 14 08	PUSH BUTTON ACTUATOR	2
4	1921 14 03	REC BUTTON LEVER	1
5	1921 14 19	PLAY BUTTON LEVER	2
6	1921 14 04	REW BUTTON LEVER	2
7	1921 14 05	FF BUTTON LEVER	2
8	1921 14 06	STOP BUTTON LEVER	2
9	1921 14 07	PAUSE BUTTON LEVER	2
10	1921 14 13	P CONTROL SPRING	2
11	1921 14 10	PAUSE LEVER	2
12	1921 14 12	PAUSE LEVER SPRING	2
13	1921 14 11	PAUSE STOPPER	2
14	1921 14 14	BUTTON LEVER SPRING (A)	2
15	1921 01 501	CHASSIS ASS'Y	2
16	1921 14 16	E ACTUATOR SPRING	2
17	1921 14 17	P.S. LEVER SPRING	2
18	1700 02 15	REC SPRING PLATE	1
19	1821 01 159	E KICK LEVER	2
20	1921 14 20	PR STOPPER	2
21	1921 14 21	REC BUTTON LEVER SPRING	1
22	1921 14 15	BUTTON LEVER SPRING (B)	2
23	6401 01 149	LEAF SWITCH MSW-1541T	2
25	1921 03 01	HEAD PANEL	2
27	1921 03 04	HEAD BASE	2
29	1921 03 03	PANEL P SPRING	2
30	1921 14 18	M CONTROL SPRING	2
33	1921 03 05	MG ARM	1
34	1821 03 07	AZIMUTH SPRING	2
35	1921 04 301	PINCH ROLLER ARM ASS'Y	2
38	1921 26 04	SENSING LEVER	2
39	1921 07 301	RF CLUTCH ASS'Y	2
40	1921 07 03	RF BELT	2
43	1921 09 304	FLYWHEEL ASS'Y	1
44	1921 09 303	FLYWHEEL ASS'Y	1
45	1921 26 05	GEAR PLATE SPRING	2
46	1921 26 501	GEAR PLATE ASS'Y	2
47	1921 26 02	CAM GEAR	2
49	1821 10 70	FF GEAR	2
50	1829 10 10	BACK TENSION SPRING	2

NO.	PARTS NO.	NAME	Q'TY
51	1921 05 302	SUPPLY REEL ASS'Y	2
52	1921 05 301	TAKE UP REEL ASS'Y	2
53	1921 05 06	SENSER	2
55	1821 12 11	MOTOR BRACKET	1
56	1820 13 05	MOTOR RUBBER	3
57	1921 12 02	MOTOR COLLER SCREW	3
58	1921 12 13	MOTOR PULLEY	1
59	1921 12 21	MAIN BELT	2
60	1921 12 12	ANTI VIBRATION FELT MAT	2
62	1921 13 01	EJECT SLIDE LEVER	2
64	1829 10 01	PACK SPRING	2
65	HD-0016	P. HEAD	1
66	HD-0017	R.P. HEAD	1
67	HD-0009	E. HEAD	1
68	MO-0026	MOTOR	1
69	1821 10 69	REC SAFETY LEVER	1
71	9179 00 00	C TAPPING SCREW M2x3	3
72	9180 00 00	C TAPPING SCREW M2x4	6
73	9679 00 00	P TAPPING BIND SCREW M2x5	4
74	9999 18 09	TAPPING SCREW (FOR CAMERA)M2x4.5	4
75	9004 00 00	SCREW M2x8	2
76	9181 00 00	C TAPPING SCREW M2x5	1
77	9115 00 00	(+)BIND SCREW M2x3	2
78	9922 00 00	AZIMUTH SCREW M2x7	2
79	9182 00 00	C TAPPING SCREW M2x6	1
83	9422 00 00	P WASHER CUT 1.2x3.8x0.3	2
84	9999 03 13	P WASHER CUT 1.45x3.8x0.5	2
85	9786 00 00	P WASHER 2x3.5x0.3	2
87	1821 35 15	P.C.B BRACKET	1
91	1921 12 09	P KICK LEVER (B)	1
92	1821 12 68	P KICK LEVER (A)	1
93	1821 12 23	PK COLLER SCREW (A)	1
94	1821 12 65	COLLER (B)	1
95	1821 12 25	P KICK LEVER SPRING	1
96	MSW-17820MVD0	SWITCH BRACKET	1
100		RIBBON CORD 2P (L=200mm)	2

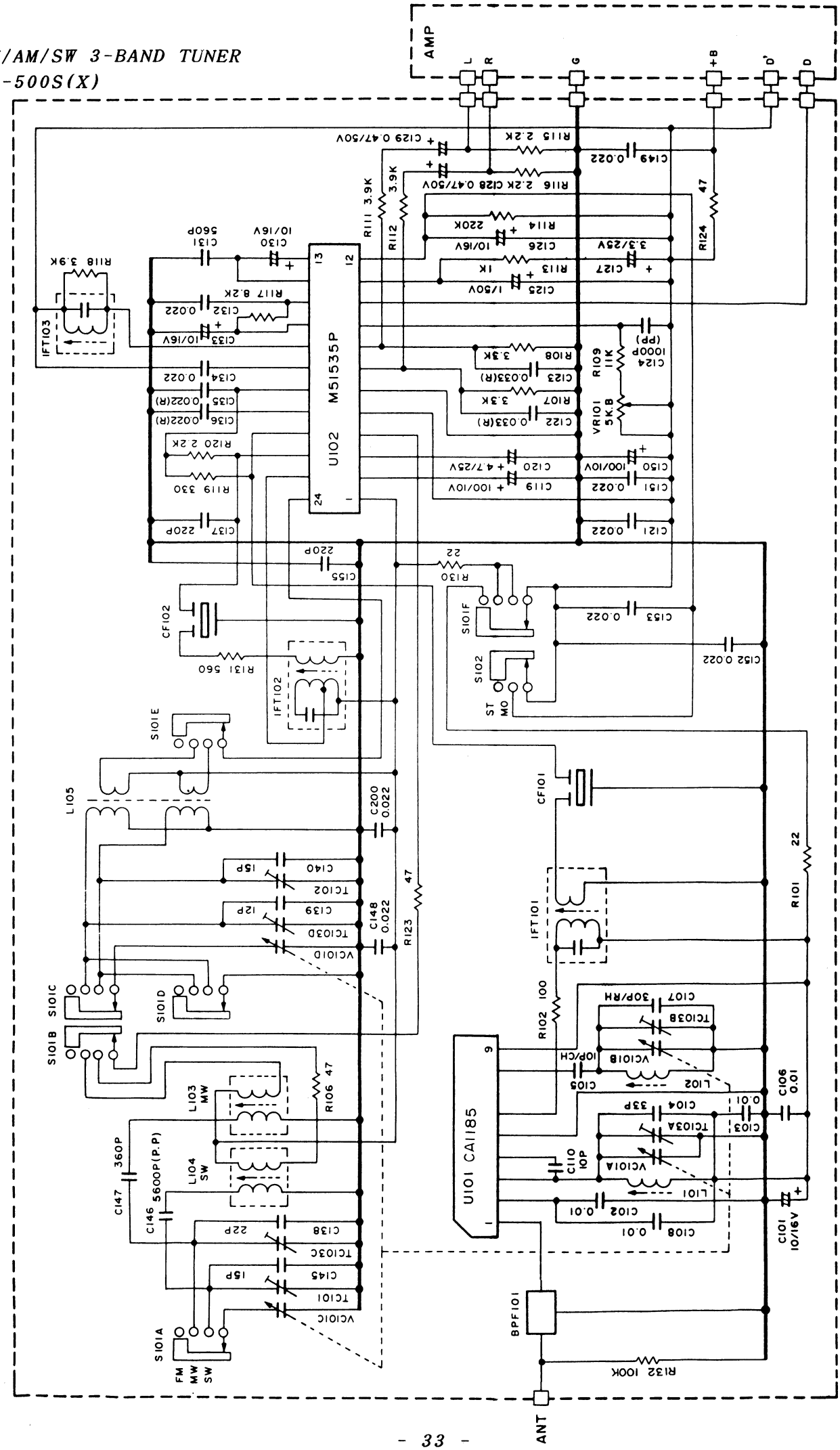
NOTE: Motor and head are subject to change without notice for improvement.

SCHEMATIC DIAGRAM

FM/AM 2-BAND TUNER
CD-500(US)/(UK)/(E)

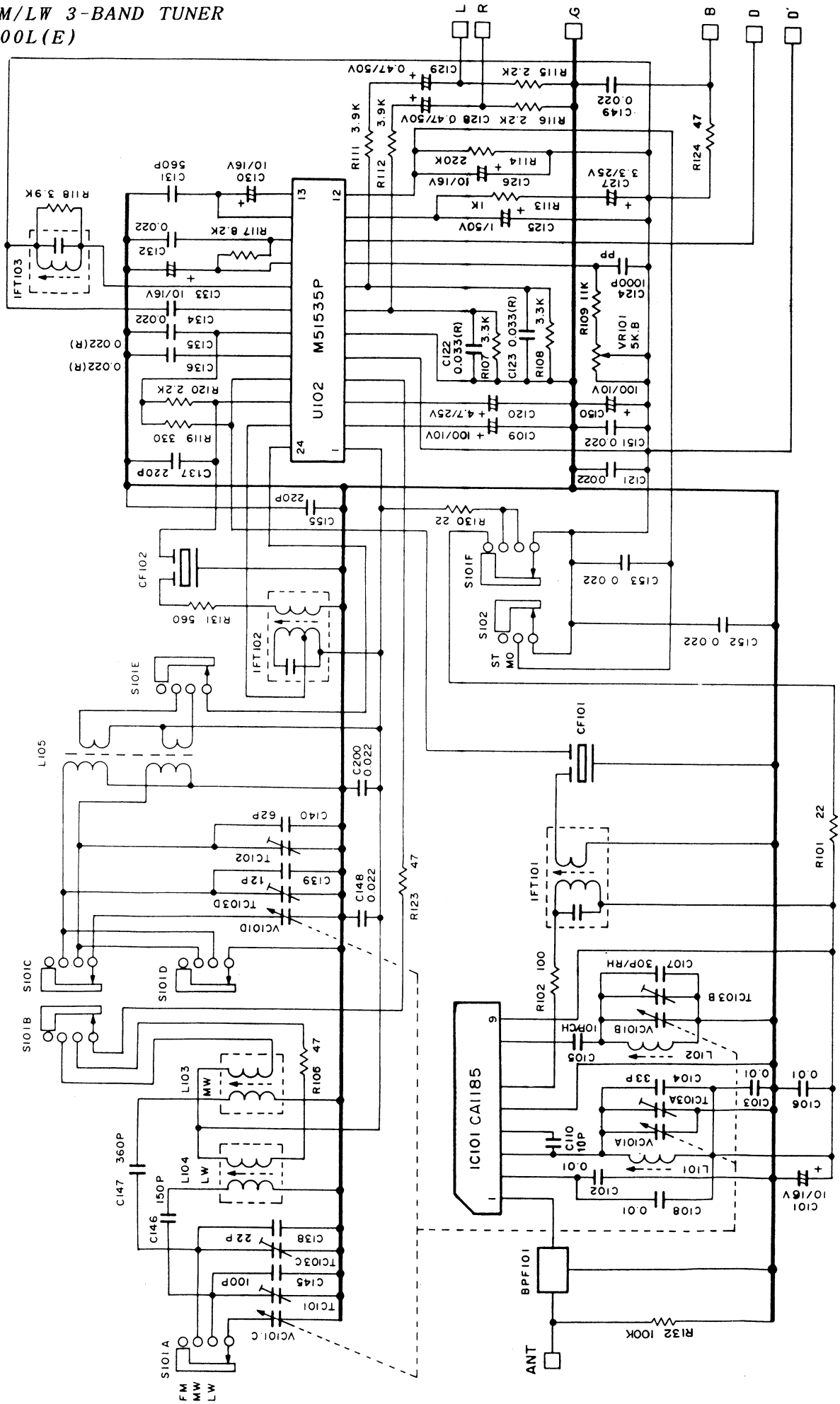


FM/AM/SW 3-BAND TUNER
CD-500S(X)



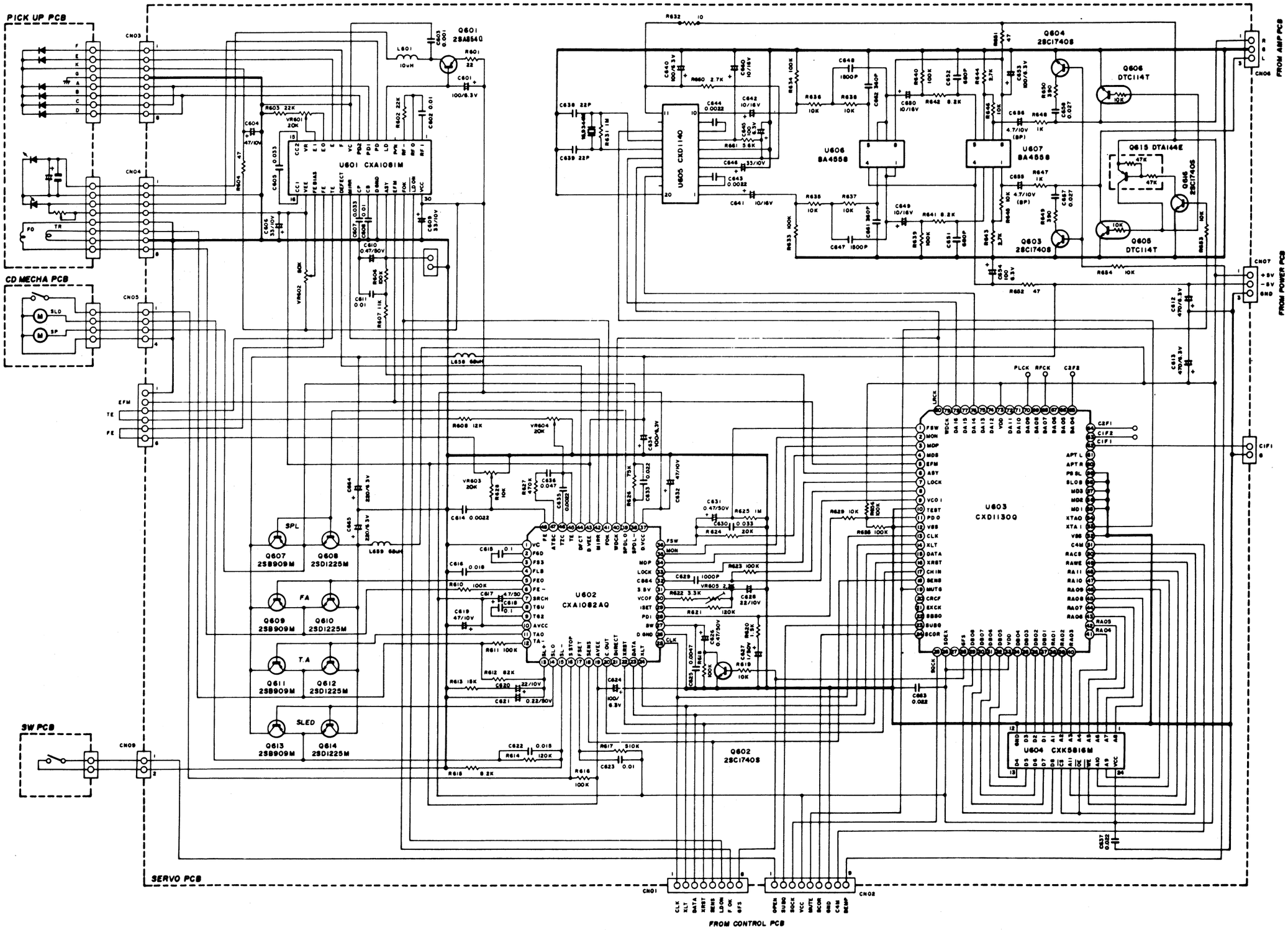
SCHEMATIC DIAGRAM

FM/AM/LW 3-BAND TUNER
CD-500L(E)

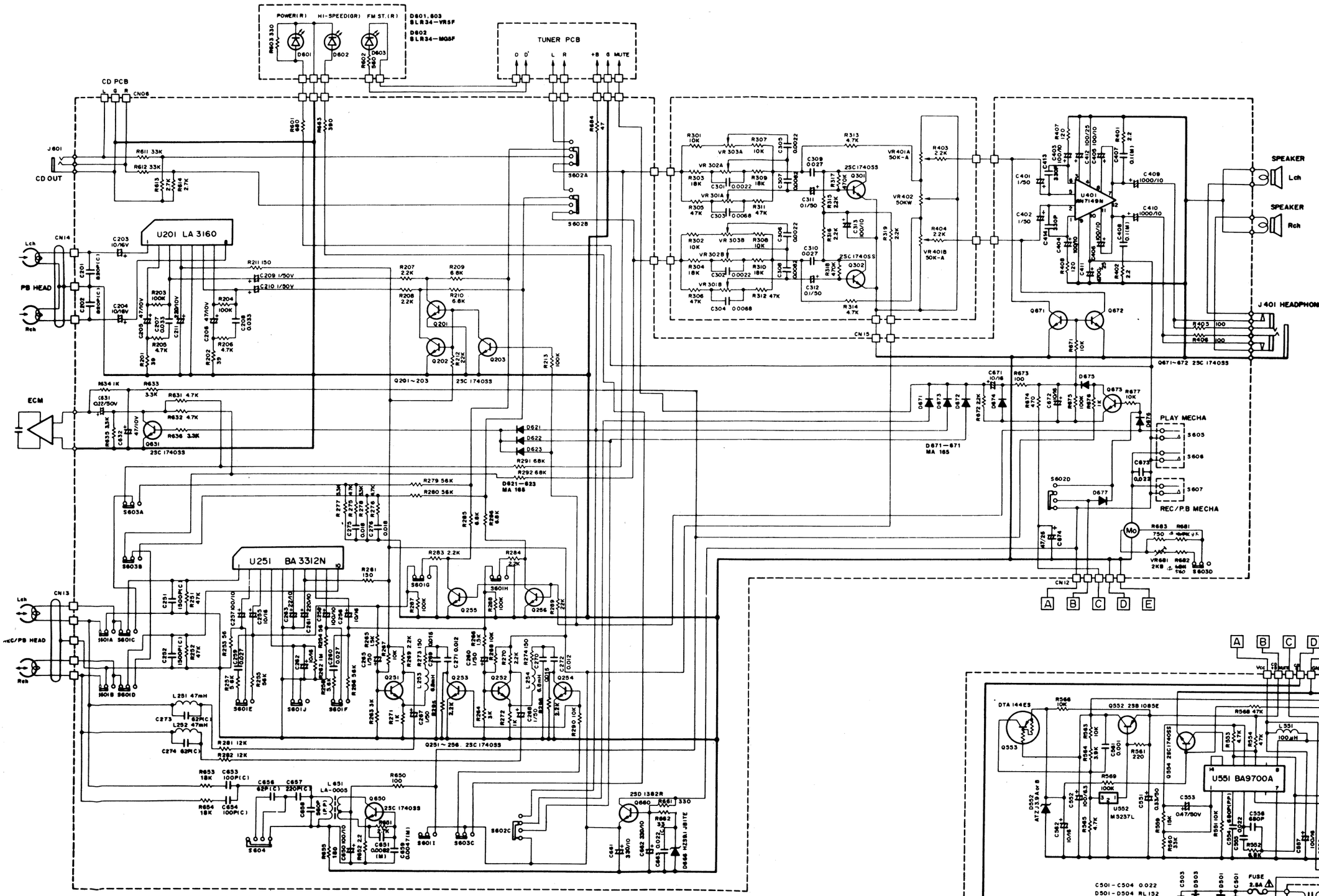


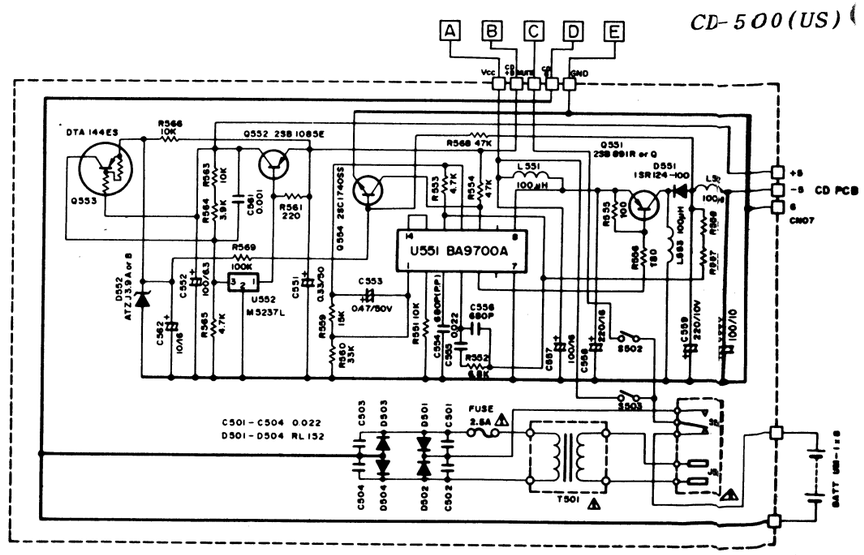
SCHEMATIC DIAGRAM

SERVO



SCHEMATIC DIAGRAM

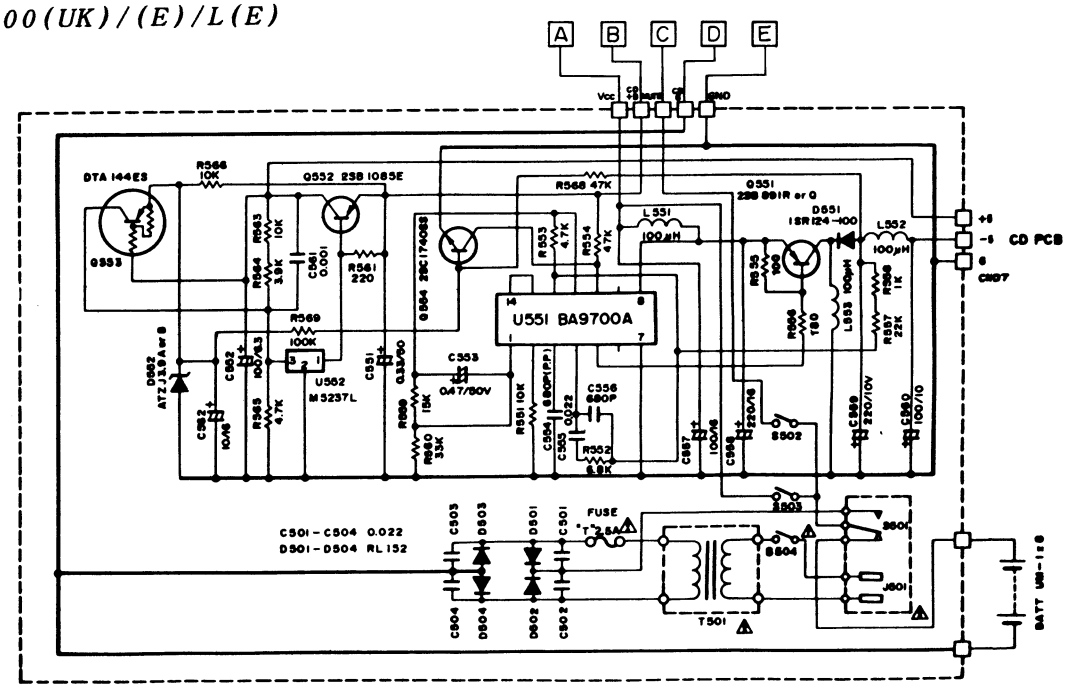




SCHEMATIC DIAGRAM

POWER P.C.B

CD-500(UK)/(E)/L(E)



CD-500S(X)